INDEX TO VOLUME 32

AUTHORS INDEX

In the index, following the author's name, the title of the subject is given as it appeared in the JOURNAL.

A

ABEL, STUART, AND VAN DELLEN, T. R. The effect of German measles during pregnancy, 1536

ABLONDI, F. (*See* KERSTEN, BROSENE, ABLONDI, AND SUBBAROW), 1090

—, SUBBAROW, Y., LIPCHUCK, L., AND PERSONEUS, G. Comparison of blood pressure measurements in the rat as obtained by use of the tail and foot methods and by direct femoral puncture, 1099

AKRE, O. H. (*See* TAYLOR, AKRE, AND DAVIS), 1416

ALBANESE, ANTHONY A., SAUR, BARBARA, AND IRBY, VIRGINIA. The microcolorimetric estimation of plasma proteins, 296

ALEXANDER, J. ERNEST. (*See* STRAUSS, RICHBURG, SABA, AND ALEXANDER), 818

ALT, HOWARD L. (*See* DEMARSH AND ALT), 320

ALTURE-WERBER, ERNA. (*See* LOEWE, EIBER, ALTURE-WERBER, AND SHORE), 832

ALVING, ALF S. (*See* LANDOWNE AND ALVING), 931

ANDERSON, HAMILTON H. (*See* WONG, HAMBLY, AND ANDERSON), 837

ANDREWS, GOULD A. (*See* BETHELL, MEYERS, ANDREWS, SWENDSEID, BIRD, AND BROWN), 3

—. (*See* BETHELL, SWENDSEID, BIRD, BROWN, MEYERS, AND ANDREWS), 337

ARMSTRONG, BERTHE E. (*See* SCHWARTZ AND ARMSTRONG), 1427

ARONSON, S. F., AND KATZ, L. N. Unusual instances of auricular flutter, 51

ATLAS, LEON T. Description of apparatus and method for obtaining nasal washings, 1016

AXELROD, ARNOLD R. (*See* BERMAN, AXELROD, SHARP, AND VONDER HEIDE), 1431

B

BACHRACH, W. H. (*See* POLLARD, BLOCK, AND BACHRACH), 346

BAILLIF, RALPH N., AND KIMBROUGH, CECIL. Studies on leucocyte granules after staining with Sudan black B and May-Grünwald Giemsa, 155

BALDES, EDWARD J. (*See* BICKFORD AND BALDES), 1549

BARKER, M. H., LINDBERG, H. A., AND TREGER, M. V. A twelve-year study of a particular group of hypertensive patients pre- and postsympathectomy with reference to renal pathology, 1509

BARKER, NELSON W. (*See* HAGEDORN AND BARKER), 1087

BARNES, ALLAN C., SALLMAN, BENNETT, AND BIRKELAND, J. M. The role of hyaluronidase in human infertility: preliminary report, 1540

BARNES, MILDRED W. (*See* FINLAND, BARNES, MEADS, ORY, AND RUBENSTEIN), 367

BARNETT, G. (*See* LOOSLI, SCHOENBERGER, AND BARNETT), 1410

BARR, L. M. (*See* ECKER, HIATT, AND BARR), 287

BAUER, CLIFFORD D. (*See* DASLER, BAUER, AND VAN NOSTRAND), 1251

BAUER, HENRY. (*See* KABLER, BAUER, AND NELSON), 854

BEAL, GRACE A. (*See* EISELE, MCCULLOUGH, AND BEAL), 847

BEAN, WILLIAM B. (*See* KUMPE AND BEAN), 324

—, DEXTER, MORRIS W., COGSWELL, ROBERT C., AND EMBICK, JAMES. Progress report on a study of vascular changes in the skin in pregnancy, 1400

BEDINGER, PAUL L., PONCHER, HENRY G., AND LIMARZI, LOUIS R. Effect of urethane on leucemia, 1394

BEIERWALTES, WILLIAM H., AND STURGIS, CYRUS C. Thiouracil and propylthiouracil: a comparative clinical study, 392

BENNETT, ALENE. (*See* LEVIN, GREGORY, AND BENNETT), 1433

BENSLEY, E. H., MITCHELL, SALLIE, AND WOOD, PHYLLIS. Estimation of uric acid in serum and whole blood by an electrophotometric modification of Folin's method, 1382

BERGMAN, W. L. (*See* MCNALLY, BERGMAN, AND POLLI), 913

BERMAN, LAWRENCE. The clinical significance of cellular gigantism in human erythropoiesis, 793

—, AXELROD, ARNOLD R., SHARP, E. A., AND VONDER HEIDE, E. C. Experiences with urethane in eight patients with malignant disease, 1431

BERNSTEIN, CLARENCE, AND KLOTZ, S. D. Fever therapy in herpes zoster, 1544

BERNSTEIN, THEODORE B. (*See* FEINBERG AND BERNSTEIN), 1370

Berry, Leonidas H. Atrophic gastritis and malnutrition, 1521
Bethell, Frank H. (*See* Swendseid, Bird, Brown, and Bethell), 23
—. (*See* Swendseid, Wandruff, and Bethell), 1242, 1248
—, Meyers, Muriel C., Andrews, Gould B., Swendseid, Marian E., Bird, Orson D., and Brown, Raymond A. Metabolic function of pteroylglutamic acid and its hexaglutamyl conjugate. I. Hematologic and urinary excretion studies on patients with macrocytic anemia, 3
—, Swendseid, Marian E., Bird, Orson D., Brown, Raymond A., Meyers, Muriel C., and Andrews, Gould A. Further studies on the utilization of pteroyl hexaglutamyl glutamic acid (vitamin B_c conjugate) in pernicious anemia, 337
Bickford, Reginald G., and Baldes, Edward J. The electroencephalogram in tumors of the posterior fossa, 1549
Bieler, Martha M., Ecker, Enrique E., and Spies, Tom D. Serum proteins in hypoproteinemia due to nutritional deficiency, 130
Birchall, Robert. (*See* Taylor, Birchall, Corcoran, and Page), 1551
Bird, Orson D. (*See* Bethell, Meyers, Andrews, Swendseid, Bird, and Brown), 3
—. (*See* Bethell, Swendseid, Bird, Brown, Meyers, and Andrews), 337
—. (*See* Swendseid, Bird, Brown, and Bethell), 23
Birkeland, J. M. (*See* Barnes, Sallman, and Birkeland), 1540
Blankenhorn, M. A. (*See* Thompson and Blankenhorn), 333
Blatherwick, N. R., and Dworkin, Joseph H. A rapid test for albumin and sugar in the same measured sample of urine, 1042
Blech, Helen. (*See* Falk and Blech), 1356
Block, Malcolm. (*See* Pollard, Block, and Bachrach), 346
Block, Walter D. (*See* Robinson and Block), 1551
Block, Walter M., Jackson, Robert L., and Routh, Joseph I. Lipoid nephrosis, 1435
Bloom, Margaret A., and Bloom, William. The radiosensitivity of erythroblasts, 654
Bloom, William. (*See* Bloom and Bloom), 654
Blum, Livia. (*See* Witebsky, Rubin, and Blum), 1330
—. (*See* Witebsky, Rubin, Engasser, and Blum), 1339
Blumenthal, Sunoll. (*See* Schwartz and Blumenthal), 1428
Boehne, J. W., III. (*See* Jukes, Franklin, Stokstad, and Boehne), 1350
Bollman, J. L. (*See* Hoffbauer, Bollman, and Grindlay), 1401
Bourn, Janet M., and Carnes, Charmion M. The use of dried antigen preparations for testing pneumococcus typing sera, 104
Boyd, William C. Production of potent blood grouping sera, 1275
Bradbury, J. T. (*See* Brown and Bradbury), 321
Branston, Mary. (*See* Ferguson, Branston, McCallum, and Carlson), 349
Braudie, Abraham I. (*See* Spink, Hall, Shaffer, and Braudie), 1408
Broeker, A. G. (*See* Foster and Broeker), 918
Brosene, W. G., Jr. (*See* Kersten, Brosene, Ablondi, and SubbaRow), 1090
Brown, Hugh S. (*See* Slaughter, Brown, and Wakim), 1419
Brown, John W., Sims, John LeRoy, and Clifford, Jack E. Hepatic function in infectious mononucleosis, 1523
Brown, Raymond A. (*See* Bethell, Meyers, Andrews, Swendseid, Bird, and Brown), 3
—. (*See* Bethell, Swendseid, Bird, Brown, Meyers, and Andrews), 337
—. (*See* Swendseid, Bird, Brown, and Bethell), 23
Brown, W. E., and Bradbury, J. T. The influence of various diuretics on the urinary sodium of normal pregnant women, 312
Bruger, Maurice. (*See* Holland, Canniff, and Bruger), 124
Burch, George, Reaser, Paul, and Cronvich, James. Rates of sodium turnover in normal subjects and in patients with congestive heart failure, 1169
Burchell, Howard B. (*See* Montgomery, Wood, Burchell, Dry, Parker, and Helmholz), 1508
Butler, Carrie. (*See* Levin, Kirsner, Palmer, and Butler), 1521
Butler, Stuyvesant, Thomas, William A., and Sanford, Heyworth N. Blood coagulation during intravenous injection of histamine, 1432
Buxton, R. W. (*See* Conn, Hinerman, and Buxton), 347

C

Callen, Irwin R. (*See* Glickman, Keeton, Inouye, Hick, Telser, Callen, and Gianasi), 1515
—, Limarzi, Louis R., and Lueth, Harold C. Blood and bone marrow findings in renal disease, 1429
Callender, Sheila T. E., and Nickel, James F. A survival of transfused sickle cells in normal subjects and of normal red blood cells in patients with sickle cell anemia, 1397
Calloway, N. O. (*See* Keeton, Cole, Calloway, Glickman, Mitchell, Dyniewicz, and Howes), 316

CAMPBELL, BERRY. (*See* KOLOUCH, GOOD, AND CAMPBELL), 749
CANNIFF, JAMES C. (*See* HOLLAND, CANNIFF, AND BRUGER), 124
CANNON, R. O. (*See* HAHN, GOODELL, SHEPPARD, CANNON, AND FRANCIS), 1442
CANTOR, MAX M. (*See* TUBA, CANTOR, AND SIEMENS), 194
CARLSON, MARGARET J. (*See* FERGUSON, BRANSTON, MCCALLUM, AND CARLSON), 349
CARNES, CHARMION M. (*See* BOURN AND CARNES), 104
CARTLAND, GEORGE F. (*See* VANDER BROOK, LYSTER, GRAHAM, POMEROY, AND CARTLAND), 1115
CAVANO, FRANK L. (*See* MARTIN, CURFMAN, AND CAVANO), 554
CEDERQUIST, DENA. (*See* LEWIS, OHLSON, CEDERQUIST, AND CONELSON), 419
CHAPMAN, DON W., AND SHAFFER, CARL F. The mercurial diuretics: a comparison of acute cardiac toxicity in animals and the effect of ascorbic acid on detoxification in their intravenous administration, 313
—, WHEELER, PAUL A., AND GUGLE, LLOYD. Experimental pulmonary infarction: the role played by abnormal pulmonary circulation in the production of infarction by embolus, 1417
CHEN-TING CH'IN. Determination of normal mean corpuscular weight (erythrocyte), 66
CLIFFORD, JACK E. (*See* BROWN, SIMS, AND CLIFFORD), 1523
CLOCK, RALPH OAKLEY. Fluid thioglycollate medium, 1153
CLUFF, LEIGHTON E. (*See* SPIER, CLUFF, AND URRY), 147
CODE, CHARLES F. (*See* LEAVITT AND CODE), 334
COGSWELL, ROBERT C. (*See* BEAN, DEXTER, COGSWELL, AND EMBICK), 1400
COHEN, EPHRAIM B. (*See* POHLE AND COHEN), 1395
COHEN, PHILIP P., AND THOMPSON, FRANCES L. Mechanism of the thymol turbidity test, 475
— AND —. The serum protein fraction responsible for the thymol turbidity test, 314
COHN, CLARENCE, AND WOLFSON, QUITMAN. Studies in serum proteins. I. The Chemical estimation of albumin and of the globulin fractions in serum, 1203
COLCHER, ANNE. (*See* PELLEGRINO, PATEK, COLCHER, AND COMANSKI), 397
COLE, W. H. (*See* KEETON, COLE, CALLOWAY, GLICKMAN, MITCHELL, DYNIEWICZ, AND HOWES), 316
COMFORT, MANDRED W. (*See* WEIR AND COMFORT), 1231
CONLEY, JAMES E., SCHUMM, HERMAN C., ROSENBAUM, FRANCIS F., AND GAENSLEN, FREDERICK G. Relief of causalgia by use of tetraethylammonium chloride, 1422
CONN, JEROME W., AND FAJANS, STEFAN S. Insulin depression and carbohydrate excitation of the pancreatic islets of Langerhans, 1411
—, HINERMAN, D. L., AND BUXTON, R. W. Effects of alloxan upon the human pancreas, 347
CORCORAN, A. C. (*See* DOMINGUEZ, CORCORAN, AND PAGE), 1192
—. (*See* TAYLOR, BIRCHALL, CORCORAN, AND PAGE), 1551
—, TAYLOR, ROBERT D., AND PAGE, IRVINE H. Circulatory responses to spinal and caudal anesthesia in hypertension: relation to the effect of sympathectomy. II. Effect of renal function, 1421
CORRELL, HOWARD L., AND LINDERT, M. C. F. An unusual vagovagal reflex type of Adams-Stokes syndrome, 1520
CORYELL, MARGARET N., HARRIS, MARY ELLEN, MILLER, SOL, RUTLEDGE, MARJORIE M., WILLIAMS, HAROLD H., AND MACY, ICIE G. Metabolism of women during the reproductive cycle. XV. The utilization of biotin during lactation, 1462
—, —, —, WILLIAMS, HAROLD H., AND MACY, ICIE G. Metabolism of women during the reproductive cycle. XIV. The utilization of pantothenic acid during lactation, 1454
COURTER, SANFORD R., AND PEARSON, JOHN S. Oral mercurial diuretics in ambulatory patients with congestive heart failure, 1514
CRONVICH, JAMES. (*See* BURCH, REASER, AND CORNVICH), 1169
CROSSMON, GERMAIN, AND GALLASCH, BERNHARDT G. The counting of blood cells by dark-field illumination, 206
CURFMAN, GEORGE H., JR. (*See* MARTIN, CURFMAN, AND CAVANO), 554
CURRY, JOHN J. (*See* HEWITT AND CURRY), 42
CURTIS, GEORGE M. (*See* SWENSON AND CURTIS), 1413
CUTLER, ROBERT P., AND WINTERS, WILLIAM L. (With the technical assistance of SIMPSON, KATHERINE P.) A modified technique for the differentiation of pneumococci from Alpha hemolytic streptococci using sodium desoxycholate, 572

D

DAMMIN, G. J. (*See* PICKARD, OWEN, AND DAMMIN), 1513
DARBY, WILLIAM J. (*See* JONES, WARDEN, AND DARBY), 387
DASLER, WALDEMAR, BAUER, CLIFFORD D., AND VAN NOSTRAND, MARTHA. The potency of the U. S. P. reference standard for vitamin D, 1251
DAVIDSON, CHARLES S., WILCKE, HAROLD L., FEIN, HARRY D., AND REINER, PHILLIP J. A nutrition survey of Vien-

nese civilians under United States occupation, 1945, 1470
Davis, C. B., Jr. (*See* Taylor, Akre, and Davis), 1416
Davis, William D., Jr. (*See* Trautman, Davis, and Findley), 1482
—. Prognostic value of biopsy in cirrhosis of the liver, 1526
Dean, Kathryn F. (*See* Terry, McBane, and Dean), 1262
deBeer, Edwin J. (With the technical assistance of Fanelli, Rocco). The use of Russell viper venom as a means of following the anticoagulant action of 3,3′-methylenebis (4-hydroxycoumarin) in the dog, 90
Deeds, Douglas. Pernio: an instance of apparent recovery, 1550
DeMarsh, Quin B., and Alt, Howard L. Hepatitis without jaundice in infectious mononucleosis, 320
Deuel, H. J., Jr. (*See* Johnson, Deuel, Morehouse, and Mehl), 322
Deutsch, H. F. (*See* Nitshe, Gerarde, and Deutsch), 410
Dexter, Morris W. (*See* Bean, Dexter, Cogswell, and Embick), 1400
Dey, Frederick. (*See* Gilbert, Dey, and Trump), 28
Dickie, Annamae, and Hempelmann, Louis H. Morphological changes in the lymphocytes of persons exposed to ionizing radiation, 1045
Diggs, L. W., and Sirridge, Marjorie S. A study of the sternal marrow and peripheral blood of fifty-five patients with plasma cell myeloma, 167
Dingle, Janet T. (*See* Heinle, Dingle, and Weisberger), 970
Doan, Charles A. (*See* Saslaw and Doan), 878
— and Wright, Claude-Starr. Further studies of the hypersplenic mechanism in human disease syndromes, 1399
—, Wiseman, B. K., Wright, Claude-Starr, Geyer, Joseph H., Myers, William, and Myers, Jo. W. Radioactive phosphorus, P^{32}: a six-year clinical evaluation of internal radiation therapy, 943
Domanski, Beatrice. (*See* Pellegrino, Patek, Colcher, and Comanski), 397
Dominguez, Rafael, Corcoran, A. C., and Page, Irvine H. Mannitol: kinetics of distribution, excretion, and utilization in human beings, 1192
Donaldson, Wayne. (*See* Wakerlin, Kamm, Donaldson, Moss, Minatoya, Lefco, and Marshall), 327
Donelson, Eva G. (*See* Lewis, Ohlson, Cederquist, and Donelson), 419
Dougherty, Thomas F., and White, Abraham. An evaluation of alterations produced in lymphoid tissue by pituitary-adrenal cortical secretion, 584
Dowling, C. V. (*See* Eckstein, Stroud, Pritchard, and Dowling), 1515
Dowling, Harry F. (*See* Hirsh, Dowling, Vivino, and Rotman-Kavka), 34
Dry, Thomas J. (*See* Montgomery, Wood, Burchell, Dry, Parker, and Helmholz), 1508
Ducci, Hector. The colloidal red test for the study of hepatic dysfunction, 1273
—. The thymol test of Maclagan, standardization and adaptation to the Evelyn photoelectric colorimeter, 1266
Dworkin, Joseph H. (*See* Blatherwick and Dworkin), 1042
Dyniewicz, Hattie A. (*See* Popper, Steigmann, and Dyniewicz), 1403
Dyniewicz, J. (*See* Keeton, Cole, Calloway, Glickmann, Mitchell, Dyniewicz, and Howes), 316

E

Ecker, Enrique E. (*See* Bieler, Ecker, and Spies), 130
— and Likover, B. A micromethod for the determination of the albumin-globulin ratio in guinea pig serum, 1500
—, Hiatt, C. W., and Barr, L. M. Effect of pregnancy on the complement of guinea pigs, 287
Eckstein, R. W., Stroud, M. W., Pritchard, W. H., and Dowling, C. V. A cardiac factor which increases coronary flow under sympathetic stimulation, 1515
Edwards, George S. An instrument for recording multiple pressures in man, 921
Edwards, P. R. (*See* Kauffmann and Edwards), 548
Eiber, Harold B. (*See* Loewe, Eiber, Alture-Werber, and Shore), 832
Eichhorn, F. (*See* Rappaport and Eichhorn), 1034
Eiman, John. (*See* Pemberton, Eiman, Patterson, and Stackhous), 1121
Eisele, C. Wesley, McCullough, Norman B., and Beal, Grace A. Discrepancies in the agglutination test for Brucellosis as performed from various antigens and as reported from different laboratories, 847
Engasser, Lillian M. (*See* Witebsky, Rubin, Engasser, and Blum), 1339
Ensign, Dwight C. Serum phosphatase in osteopetrosis, 1541
Epstein, Martin. (*See* Heinle, Welch, George, Epstein, and Pritchard), 1398
Etsten, B. (*See* Homburger, Etsten, and Himwich), 540
Evans, Alfred S. A simplified "qualitative" method for heterophile antibody determination using capillary blood and a white cell pipette, 1278
Evans, Gerald T. (*See* Larson, Evans, and Watson), 481
Evans, Vernon L. Electrocardiographic changes after electric shock treatments, 1518

F

Failey, Robert B., Jr., and Hyman, Albert L. The ventricular gradient in hyperthyroid conditions, 1516

Fajans, Stefan S. (*See* Conn and Fajans), 1411

Falk, Carolyn R., and Blech, Helen. Anomalous findings in penicillin level determinations in urine, 1356

Fanelli, Rocco. (*See* deBeer, Edwin J.), 90

Farber, Eugene M. (*See* Hines and Farber), 323

Feil, Harold. (*See* Jones and Feil), 1415

Fein, Harry D. (*See* Davidson, Wilcke, Fein, and Reiner), 1470

Feinberg, Alan R. (*See* Friedlaender, Feinberg, and Feinberg), 47

Feinberg, Samuel M. (*See* Friedlaender, Feinberg, and Feinberg), 47

— and Bernstein, Theodore B. Histamine antagonists. VIII. *N*-(α-Pyridyl)-*N*-(α-Thieyl)-*N'*,*N*-Dimethylethylenediamine, a new anti-histaminic compound, experimental and clinical experiences, 1370

Feldman, D. (*See* Katz, Feldman, and Langendorf), 331

Feller, A. E. Influenza B: study of a localized outbreak preceding the 1945 epidemic, 332

Ferguson, W. W., Branston, Mary, McCallum, Grace L., and Carlson, Margaret J. Rapid identification of Shigella in a public health laboratory, 349

Ferris, Eugene B., Jr. (*See* Reiser and Ferris), 1420

Findley, Thomas. (*See* Trautman, Davis, and Findley), 1482

Finland, Maxwell. (*See* Seeler, Wilcox, and Finland), 807

—, Barnes, Mildred W., Meads, Manson, Ory, Edwin M., and Rubenstein, A. Daniel. Influenza B in Needham, Massachusetts, December, 1945, 367

Flink, Edmund B. (*See* Williams and Flink), 1401

—. Blood transfusion studies. III. The relationship of hemoglobinemis and of the pH of the urine to renal damage produced by injection of hemoglobin solutions into dogs, 223

Foley, E. J., and Lee, S. W. A method for showing antibacterial activity of minute quantities of gramicidin or penicillin, 1136

Foley, George E. Further observations on the cultivation of tubercle bacilli from pathologic material in Dubos media, 842

Foshay, Lee, Ruchman, I., and Nicholes, P. S. Antitularense serum: correlation between protective capacity for white rats and precipitable antibody content, 332

Foster, R. H. K., and Broeker, A. G. A microscrew clamp for use with Mohr type of microburettes, 918

Francis, H. C. (*See* Hahn, Goodell, Sheppard, Cannon, and Francis), 1442

Franklin, A. L. (*See* Jukes, Franklin, Stokstad, and Boehne), 1350

Franklin, Murray. (*See* Popper, Franklin, Steigmann, and Kozoll), 318

—. (*See* Popper, Steigmann, Franklin, and Narut), 1524

Freed, S. Charles. Study of new sedative-hypnotic drug (3,3-Diethyl-2,4-Dixotetrahydropyridine), 895

Freeman, Smith. (*See* Rohr and Freeman), 1531

—. (*See* Schweppe and Freeman), 1537

—. (*See* Yeager, Rhoads, and Freeman), 502

Freyburger, Walter. (*See* Moe, Malton, Freyburger, and Rennick), 1415

Friedlaender, Sidney, Feinberg, Samuel M., and Feinberg, Alan R. Histamine antagonists. VI. Comparative antihistaminic activity of some ethylenediamine drugs in the guinea pig, 47

Friedman, Sydney, and Martin, William S. The determination of the heart rate in the rat, 1284

Frobisher, M., Jr., Parsons, E. I., Pai, S. E., and Hakim, S. (With the technical assistance of Lankford, Elsie.) A simplified method for the preservation of bacteria by desiccation in vacuo, 1008

Furlong, Joseph. (*See* Hardgrove, Furlong, and Murphy), 1542

Futcher, Palmer H. (*See* Schroeder, Futcher, and Goldman), 1509

G

Gaenslen, Frederick G. (*See* Conley, Schumm, Rosenbaum, and Gaenslen), 1422

Gall, Edward A. (*See* Schiff, Kumpe, Safdi, and Gall), 1524

— and Steinberg, Arthur. Biochemical studies during malarial and artificial fevers, 508

Gallasch, Bernhardt G. (*See* Crossmon and Gallasch), 206

Gamble, Barbara. (*See* Osgood, Edwin E.), 444

Gendel, Benjamin R. Folic acid in the treatment of aplastic anemia, 139

George, Walter L. (*See* Heinle, Welch, George, Epstein, and Pritchard), 1398

Gerarde, H. W. (*See* Nitshe, Gerarde, and Deutsch), 410

Gersten, Jerome. (*See* Wakim, Herrick, and Gersten), 1511

Geyer, Joseph H. (*See* Doan, Wiseman, Wright, Geyer, Myers, and Myers), 943

Gianasi, Charles A. (*See* Glickman, Keeton, Inouye, Hick, Telser, Callen, and Gianasi), 1515

GILBERT, N. C., DEY, FREDERICK, AND TRUMP, RUTH. The effect of the methylated xanthines on the clotting time of the blood, 28
GLICKMAN, N. (*See* KEETON, COLE, CALLOWAY, GLICKMAN, MITCHELL, DYNIEWICZ, AND HOWES), 316
—, KEETON, ROBERT W., INOUYE, TOHRU, HICK, FORD K., TELSER, STANLEY E., CALLEN, IRWIN R., AND GIANASI, CHARLES A. Physiologic adjustments to sudden changes in environmental temperature and humidity of healthy young subjects and cardiac patients, 1515
GOETCHIUS, G. R., AND LAWRENCE, C. A. The antibacterial activity of some sulfon- and sulfanilanilide derivatives, 1361
GOLDMAN, ALFRED. Pulmonary arteriovenous fistula with secondary polycythemia occurring in two brothers: cure by pneumonectomy, 330
GOLDMAN, MELVIN L. (*See* SCHROEDER, FUTCHER, AND GOLDMAN), 1509
GOOD, ROBERT A. (*See* KOLOUCH, GOOD, AND CAMPBELL), 749
GOODELL, J. P. B. (*See* HAHN, GOODELL, SHEPPARD, CANNON, AND FRANCIS), 1442
—. (*See* SHEPPARD, GOODELL, AND HAHN), 1437
—. (*See* SHEPPARD, WELLS, HAHN, AND GOODELL), 274
GOODRICH, BEN E. (*See* JOHNSON AND GOODRICH), 1543
GRAHAM, BOYD E. (*See* VANDER BROOK, LYSTER, GRAHAM, POMEROY, AND CARTLAND), 1115
GRECO, J. (*See* LILLIE, R. D.), 910
GREEN, ROBERT S., IGLAUER, ARNOLD, AND MCGUIRE, JOHNSON. Direct measurement of blood pressure in the radial and femoral arteries during and after tilting, 1511
GREGORY, RAYMOND. (*See* LEVIN, GREGORY, AND BENNETT), 1433
—. (*See* MAY AND GREGORY), 1540
GRINDLAY, J. H. (*See* HOFFBAUER, BOLLMAN, AND GRINDLAY), 1401
GROSS, S. T., AND OBERST, FRED W. Microanalysis of opiates by x-ray diffraction, 94
GRUBB, THOMAS C., AND PUETZER, BRUNO. A method for counting bacteria in the nasal cavity, 566
GUGLE, LLOYD. (*See* CHAPMAN, WHEELER, AND GUGLE), 1417
GUNTHER, ANNE. (*See* WELD, JULIA T.), 1139
GUTMANN, M. (*See* SNAPP, GUTMANN, LI, AND IVY), 321

H

HAGEDORN, ALBERT B., AND BARKER, NELSON W. Coagulation time of blood heparinized in vitro: correlation of results with those of the heparin tolerance test, 1087
HAHN, P. F. (*See* SHEPPARD, GOODELL, AND HAHN), 1437
—. (*See* SHEPPARD, WELLS, HAHN, AND GOODELL), 274
—, GOODELL, J. P. B., SHEPPARD, C. W., CANNON, R. O., AND FRANCIS, H. C. Direct infiltration of radioactive isotopes as a means of delivering ionizing radiation to discrete tissues, 1442
HAKIM, S. (*See* FROBISHER, PARSONS, PAI, AND HAKIM), 1008
HALEY, A. F. (*See* MUIRHEAD, SMALL, HALEY, AND HILL), 988
HALL, BYRON E., AND WATKINS, CHARLES H. Experience with pteroylglutamic (synthetic folic) acid in the treatment of pernicious anemia, 622
HALL, WENDELL H. (*See* SPINK, HALL, SHAFFER, AND BRAUDIE), 1408
HAMBLY, ALVIN S., JR. (*See* WONG, HAMBLY, AND ANDERSON), 837
HAMBURGER, MORTON, AND ROBERTSON, O. H. The expulsion of beta hemolytic streptococci by sneezing, 1534
HAMPTON, STANLEY F. Anaphylactic shock in egg-sensitive individuals following vaccination with typhus vaccine, 109
HAMRE, CHRISTOPHER J. Hematopoiesis in the bone marrow of rats recovering from nutritional anemia, 756
HANDLER, PHILIP. Metabolic complexities of pellagra, 428
—. Nitrogen balance, 437
HARA, MARY N. (*See* HARFORD AND HARA), 1406
HARDGROVE, MAURICE, FURLONG, JOSEPH, AND MURPHY, GEORGE. Cerebrospinal fluid studies in arthritis, 1542
HARFORD, CARL G., AND HARA, MARY N. Effect of pulmonary edema on susceptibility of mice to pneumococcal pneumonia, 1406
HARKINS, HENRY N. (*See* WHITE AND HARKINS), 1434
HARRIS, MARY ELLEN. (*See* CORYELL, HARRIS, MILLER, RUTLEDGE, WILLIAMS, AND MACY), 1462
—. (*See* CORYELL, HARRIS, MILLER, WILLIAMS, AND MACY), 1454
HARRISON, PRESTON E. Significance of coproantibody excretion during enteric infection, 1409
HASS, GEORGE M., AND TAYLOR, C. B. A quantitative hypothermal method for production of local injury to tissue, 1512
HATTERSLEY, PAUL G. A new rapid technique for Rh typing, 1024
—. Two popular fallacies regarding Rh, 423
HAWKINS, VIRGINIA. (*See* VILTER, VILTER, AND HAWKINS), 1426
HEGSTED, D. M., KENT, VIRGINIA, TSONGAS, A. G., AND STARE, F. J. A comparison of the nutritive value of the proteins in mixed diets for dogs, rats, and human beings, 403
HEINLE, ROBERT W., DINGLE, JANET T., AND WEISBERGER, AUSTIN S. Folic acid in the maintenance of pernicious anemia, 970

—, Nelson, Evelyn M., Nelson, H. Victor, and Welch, Arnold D. Nonutilization of conjugated folic acid in pernicious anemia, 336

—, Welch, Arnold D., George, Walter L., Epstein, Martin, and Pritchard, Jack A. Effect of extrinsic factor, liver extract, and folic acid on induced macrocytic anemia of swine, 1398

Helmholz, H. Frederic, Jr. (*See* Montgomery, Wood, Burchell, Dry, Parker, and Helmholz), 1508

Helmsworth, James A. (With the technical assistance of Keefer, M. Lucille). Potassium content of normal cerebrospinal fluid, 1486

Hempelmann, Louis H. (*See* Dickie and Hempelmann), 1045

Herrell, Wallace E. (*See* Nichols and Herrell), 1405

Herrick, J. F. (*See* Wakim, Herrick, and Gersten), 1511

Hertzog, Ambrose J. Essential thrombocytopenic purpura, 618

Herz, N., and Shapiro, B. Determination of inulin in plasma and urine, 1159

Hess, Manfred, and Hollander, Franklin. Permanent metachromatic staining of mucus in tissue sections and smears, 905

Hess, Walter C. Chromatographic separation of cholesterol and cholesterol esters in blood, 1163

Hettig, Robert. Result of methyl-bis (beta-chloroethyl) amine hydrochloride therapy: a preliminary report of a nitrogen mustard, 1431

Hewitt, R. I., Kushner, S., Stewart, H. W., White, E., Wallace, W. S., and SubbaRow, Y. Experimental chemotherapy of filariasis. III. Effect of 1-Diethylcarbamyl-4-Methylpiperazine hydrochloride against naturally acquired filarial infections in cotton rats and dogs, 1314

—, Wallace, W. S., White, E., and SubbaRow, Y. Experimental chemotherapy of filariasis. I. Experimental methods for testing drugs against naturally acquired filarial infections in cotton rats and dogs, 1293

—, White, E., Wallace, W. S., Stewart, H. W., Kushner, S., and SubbaRow, Y. Experimental chemotherapy of filariasis. II. Effect of piperazine derivatives against naturally acquired filarial infections in cotton rats and dogs, 1304

Hewitt, William L., and Curry, John J. Pharmacodynamic effect in man of streptomycin containing a histamine-like factor, 42

Hiatt, C. W. (*See* Ecker, Hiatt, and Barr), 287

Hick, Ford K. (*See* Glickman, Keeton, Inouye, Hick, Telser, Callen, and Gianasi), 1515

Higgins, George M., Ingle, Dwight J., and Joneson, Olive R. The effect of synthetic Lactobacillus casei factor on the blood changes induced by gastrectomy in the rat, 635

Hill, J. M. (*See* Marinis, Muirhead, Jones, and Hill), 1208

—. (*See* Muirhead, Small, Haley, and Hill), 988

Hilles, Carolyn. (*See* Houghton, Thatcher, and Hilles), 1410

Himwich, H. E. (*See* Homburger, Etsten, and Himwich), 540

Hinerman, D. L. (*See* Conn, Hinerman, and Buxton), 347

Hines, Edgar A., Jr., and Farber, Eugene M. Ulcer of the leg due to arteriolosclerosis and ischemia occurring in the presence of hypertensive disease (hypertensive-ischemic ulcers), 323

Hirschboeck, John S. The blood coagulation-retraction time and its relation to thrombosis, 1424

Hirsh, Harold L., Dowling, Harry F., Vivino, Jean J., and Rotman-Kavka, Georgine. Penicillin in beeswax and peanut oil, a new preparation which is fluid at room temperature: absorption and therapeutic use, 34

Hoffbauer, Frederick W., and Spink, Wesley W. Biopsy of liver in patients with active Brucellosis: description of hepatic lesions, 315

—, Bollman, J. L., and Grindlay, J. H. Factors influencing pressure in the portal vein as measured in the intact animal, 1401

Hoffman, William S. (*See* Volini, Hughes, Peffer, and Hoffman), 1529

—, Kozoll, Donald D., Mok, W. T., and Popper, Hans. The determination of the nitrogen balance index of a new lyophilized casein acid hydrolysate in protein-deficient patients, 1538

—, Volini, Italo F., and Hughes, J. R. Treatment of subacute bacterial endocarditis with penicillin in oil and beeswax, 1529

—, —, Pomaranc, Mark, and Nobe, Catherine. Biochemical findings in acetylsalicylate therapy of acute rheumatic fever, 1528

Holland, Albert H., Jr., Canniff, James C., and Bruger, Maurice. The evaluation of the vitamin C status of human subjects: studies with intradermal dye discoloration, capillary fragility, fasting plasma vitamin C level, and vitamin C saturation, 124

Hollander, Franklin. (*See* Hess and Hollander), 905

Homburger, E., Etsten, B., and Himwich, H. E. Some factors affecting the susceptibility of rats to various barbiturates, 540

Hoobler, S. W. (*See* Moe, Rennick, Hoobler, Neligh, and Lyons), 311

—, Lyons, R. H., Neligh, R. B., Kowalski, H. J., Malton, S. D., Paine, W. G., Manry, C. H., Manning, J. T., and Peet, M. M. Studies on vasomotor tone in the hypertensive state, 1418
Horton, Bayard T. (*See* Macy and Horton), 1546
—. (*See* Reynolds and Horton), 1545
Houghton, Benjamin, Thatcher, J. S., and Hilles, Carolyn. The role of the adrenal gland in immune mechanisms, 1410
Howes, D. (*See* Keeton, Cole, Calloway, Glickman, Mitchell, Dyniewicz, and Howes), 316
Hughes, J. R. (*See* Hoffman, Volini, and Hughes), 1529
—. (*See* Volini, Hughes, Peffer, and Hoffman), 1529
Hutaff, Lucile. (*See* Zuelzer, Newhall, and Hutaff), 1217
Hyman, Albert L. (*See* Failey and Hyman), 1516

I

Iglauer, Arnold. (*See* Green, Iglauer, and McGuire), 1511
Ingle, Dwight J. (*See* Higgins, Ingle, and Joneson), 635
Inouye, Tohru. (*See* Glickman, Keeton, Inouye, Hick, Telser, Callen, and Gianasi), 1515
Irby, Virginia. (*See* Albanese, Saur, and Irby), 296
Ivy, A. C. (*See* Snapp, Gutmann, Li, and Ivy), 321
Izumi, Jyunji. Clorox and Tergitol-Javelle water mixture for acid-fast bacilli concentration, 210
Izzo, Mary Jane. (*See* Young, Platzer, and Rafferty), 489

J

Jackson, Robert L. (*See* Block, Jackson, and Routh), 1435
Jacobs, Mildred D. (*See* Volterra and Jacobs), 1282
Jacobson, Leon O., Marks, Edna K., and Simmons, Eric L. The effect of total body x-irradiation on a pre-existing induced anemia, 341
—, Stearner, Phyllis, and Simmons, Eric. The effect of folic acid on radiation induced anemia and leucopenia, 1425
Jacquier, H. (*See* Lillie, R. D.), 910
Jenney, Elizabeth H. (*See* Pfeiffer, Jenney, and Williams), 1387
Joannides, George. A simple method of staining malaria parasites, 89
Johnson, Richard M., Deuel, H. J., Jr., Morehouse, Margaret G., and Mehl, John W. The effect of methionine upon the urinary nitrogen in human beings at normal and low levels of protein intake, 322
Johnson, T. D., and Goodrich, Ben E. Chronic bilateral basal pulmonary fibrosis: clinical study, 1543
Jolliffe, Norman. (*See* Rafsky, Newman, and Jolliffe), 118
Jones, A. Morgan, and Feil, Harold. Axis deviation in human bundle branch block, 1415
Jones, Edgar, Warden, Henry F., and Darby, William J. Evidence for the activity of a second member of the vitamin M group (fermentation factor) in sprue, 387
Jones, Frances. (*See* Marinis, Muirhead, Jones, and Hill), 1208
Jones, Oliver P. Mitochondria and their relation to the so-called hyaloplasm, 700
Joneson, Olive R. (*See* Higgins, Ingle, and Joneson), 635
Jukes, T. H., Franklin, A. L., Stokstad, E. L. R., and Boehne, J. W., III. The urinary excretion of pteroylglutamic acid and certain related compounds, 1350

K

Kabler, Paul, Bauer, Henry, and Nelson, C. Barton. Human Brucella melitensis infections in Minnesota with hogs as the probable source, 854
Kamm, Oliver. (*See* Wakerlin, Kamm, Donaldson, Moss, Minatoya, Lefco, and Marshall), 327
Kammerling, Erwin, and Steigmann, Frederick. "Combined antacid" therapy in peptic ulcer, 1527
Kaplan, Henry S., and Rigler, Leo G. Pernicious anemia and susceptibility to gastric neoplasms, 644
Katz, L. N. (*See* Aronson and Katz), 51
—. (*See* Surtshin, Rodbard, and Katz), 1414
— and Mintz, S. S. An analysis of immediate mortality in 572 cases of recent myocardial infarction, 325
—, Feldman, D., and Langendorf, R. The diagnostic value of electrocardiographic patterns based on an assay of 261 additional autopsied cases, 331
Kauffmann, F., and Edwards, P. R. A simplification of the serologic diagnosis of Salmonella cultures, 548
Keefer, M. Lucille. (*See* Helmsworth, James A.), 1486
Keeton, Robert W. (*See* Glickman, Keeton, Inouye, Hick, Telser, Callen, and Gianasi), 1515
—, Cole, W. H., Calloway, N. O., Glickman, N., Mitchell, H. H., Dyniewicz, J., and Howes, D. Studies in convalescence following herniorrhaphy: the effect of diet, supplements, and ambulation on metabolic changes and on the performance of patients as measured by tests of cardiovascular efficiency and muscular fitness, 316
Kehoe, Robert A. (*See* Ryder and Kehoe), 1423

KENT, VIRGINIA. (*See* HEGSTED, KENT, TSONGAS, AND STARE), 403
KERSTEN, H., BROSENE, W. G., JR., ABLONDI, F., AND SUBBAROW, Y. A new method for the indirect measurement of blood pressure in the rat, 1090
KIBLER, RAYMOND S. Myeloma cell cytology as revealed by histochemical methods, 1428
KIMBROUGH, CECIL. (*See* BAILLIF AND KIMBROUGH), 155
KIRSCHBAUM, ARTHUR, AND MIXER, HARRY W. Induction of leukemia in eight imbred stocks of mice varying in susceptibility to the spontaneous disease, 720
KIRSNER, JOSEPH B. (*See* LEVIN, KIRSNER, PALMER, AND BUTLER), 1521
—. (*See* LEVIN, PALMER, AND KIRSNER), 344
KLEIN, HOWARD A. (*See* NOTH, MYERS, AND KLEIN), 1517
KLOTZ, S. D. (*See* BERNSTEIN AND KLOTZ), 1544
KLOUCH, FRED, GOOD, ROBERT A., AND CAMPBELL, BERRY. The reticulo-endothelial origin of the bone marrow plasma cells in hypersensitive states, 749
KNIGHT, ALVA A., AND MILLER, JEANNE. Comparative studies on the iodine absorption of anayodin, chiniofon, diodoquin, and vioform in man, 1537
KNOEFEL, P. K. (*See* SCHOEN AND KNOEFEL), 345
KORZON, W. (*See* MALINOW AND KORZON), 461
KOWALSKI, H. J. (*See* HOOBLER, LYONS, NELIGH, KOWALSKI, MALTON, PAINE, MANRY, MANNING, AND PEET), 1418
KOZOLL, DONALD D. (*See* HOFFMAN, KOZOLL, MOK, AND POPPER), 1538
—. (*See* POPPER, FRANKLIN, STEIGMANN, AND KOZOLL), 318
— AND MOK, W. T. Studies in nitrogen metabolism, 1403
KREEKIS, V. (*See* QUAN AND KREEKIS), 1378
KUMPE, CARL. (*See* SCHIFF, KUMPE, SAFDI, AND GALL), 1524
— AND BEAN, WILLIAM B. Aortic stenosis: an analysis of 106 proved cases, 324
KUNKEL, H. O., PEARSON, P. B., AND SCHWEIGERT, B. S. The photoelectric determination of magnesium by body fluids, 1027
KUSHNER, S. (*See* HEWITT, KUSHNER, STEWART, WHITE, WALLACE, AND SUBBAROW), 1314
—. (*See* HEWITT, WHITE, WALLACE, STEWART, KUSHNER, AND SUBBAROW), 1304
KVALE, WALTER F. (*See* PARKIN AND KVALE), 1396
—. (*See* ROTH AND KVALE), 1510
KYKER, GRANVIL C., AND MCEWEN, MILDRED M. Rapid continuous extraction and determination of quinine, 196
KYSER, FRANKLIN A., MCCARTER, JOHN C., AND STENGLE, JAMES. The effect of antihistamine drugs upon serum-induced myocarditis in rabbits, 379

L.

LAM, CONRAD R., AND PONKA, JOSEPH L. Experiences with the Murray artificial kidney, 1434
LANDOWNE, MILTON, AND ALVING, ALF S. A method of determining the specific renal functions of glomerular filtration, maximal tubular excretion (or reabsorption), and "effective blood flow" using a single injection of a single substance, 931
LANGE, CARL. A test fluid for control of the gold reaction, 579
LANGENDORF, R. (*See* KATZ, FELDMAN, AND LANGENDORF), 331
LANKFORD, ELSIE. (*See* FROBISHER, PARSONS, PAI, AND HAKIM), 1008
LARSON, EVREL A., EVANS, GERALD T., AND WATSON, CECIL J. A study of the serum biliverdin concentration in various types of jaundice, 481
LASICHAK, ANDREW G. (*See* SMYTH, LASICHAK, AND LEVEY), 889
—. (*See* SMYTH, LEVEY, AND LASICHAK), 1539
LASKEY, A. (*See* LILLIE, R. D.), 910
LAWRENCE, C. A. (*See* GOETCHIUS AND LAWRENCE), 1361
LAZAROW, ARNOLD. A simple apparatus for quantitative microcolorimetric analysis in final volumes of 0.15 c.c., 215
—. Alloxan diabetes in the mouse, 1258
—. Microprecipitating unit for blood and tissue proteins, 213
LEAVITT, MILO, AND CODE, CHARLES F. A study of the action of beta-dimethylaminoethyl benzhydryl ether hydrochloride (benadryl) in the skin of human beings, 334
LEE, S. W. (*See* FOLEY AND LEE), 1136
LEFCO, TED. (*See* WAKERLIN, KAMM, DONALDSON, MOSS, MINATOYA, LEFCO, AND MARSHALL), 327
LEROY, GEORGE V. (*See* NALEFSKI AND LEROY), 1417
LEVEY, STANLEY. (*See* SMYTH, LASICHAK, AND LEVEY), 889
—. (*See* SMYTH, LEVEY, AND LASICHAK), 1539
—, AND SMYTH, CHARLEY J. The effect of 2,3-Dimercaptopropanol (BAL) on the toxicity of gold, 1364
LEVIN, ERWIN, KIRSNER, JOSEPH B., PALMER, WALTER L., AND BUTLER, CARRIE. The variability of the fasting nocturnal gastric secretion in normal individuals and in patients with duodenal ulcer, 1521
—, PALMER, WALTER LINCOLN, AND KIRSNER, JOSEPH B. The effect of radiation therapy on the nocturnal gastric secretion in patients with duodenal ulcer, 344
LEVIN, WILLIAM C., GREGORY, RAYMOND, AND BENNETT, ALENE. The effect of chronic anemia on renal function as measured by inulin and diodrast clearances, 1433
LEWIS, GLADYS KINSMAN, OHLSON, MARGARET A., CEDERQUIST, DENA, AND DONEL-

son, Eva G. The corpuscular constants of college women of the North Central States, 419
Li, T. W. (*See* Snapp, Gutmann, Li, and Ivy), 321
Likover, B. (*See* Ecker and Likover), 1500
Lillie, R. D. Reactions of various parasitic organisms in tissues to the Bauer, Feulgen, Gram, and Gram-Weigert methods, 76
— (With the assistance of Laskey, A., Greco, J., and Jacquier, H.), Reticulum staining with Schiff reagent after oxidation by acidified sodium periodate, 910
Limarzi, Louis R. (*See* Bedinger, Poncher, and Limarzi), 1394
—. (*See* Callen, Limarzi, and Lueth), 1429
—. Evaluation of bone marrow concentration techniques, 732
Lindberg, H. A. (*See* Barker, Lindberg, and Treger), 1509
Lindert, M. C. F. (*See* Correll and Lindert), 1520
Lipchuck, L. (*See* Ablondi, SubbaRow, Lipchuck, and Personeus), 1099
Loewe, Leo, Eiber, Harold B., Alture-Werber, Erna, and Shore, Mary Kozak. A water-soluble preparation for prolonging effective penicillin levels in body fluids, 832
Long, J. A. A pulsating perfusion apparatus, 300
Loosli, Clayton G., Schoenberger, James A., and Barnett, G. Results of vaccination against epidemic influenza during the spring of 1947, 1410
Lubinski, Herbert H., and Portnuff, Joseph C. The influence of heat and formalin upon the Rh agglutinogen, 178
Lueth, Harold C. (*See* Callen, Limarzi, and Lueth), 1429
Lyons, R. H. (*See* Hoobler, Lyons, Neligh, Kowalski, Malton, Paine, Manry, Manning, and Peet), 1418
—. (*See* Moe, Rennick, Hoobler, Neligh, and Lyons), 311
Lyster, Stanley C. (*See* Vander Brook, Lyster, Graham, Pomeroy, and Cartland), 1115

M

McBane, John K. (*See* Terry, McBane, and Dean), 1262
McCallum, Grace L. (*See* Ferguson, Branston, McCallum, and Carlson), 349
McCarter, John C. (*See* Kyser, McCarter, and Stengle), 379
McCullough, Norman B. (*See* Eisele, McCullough, and Beal), 847
McEwen, Mildred M. (*See* Kyker and McEwen), 196
McGuire, Johnson. (*See* Green, Iglauer, and McGuire), 1511
McNally, William D., Bergman, W. L., and Polli, J. F. The quantitative determination of amphetamine, 913
Macy, Dorothy, and Horton, Bayard T. The treatment of migraine with histamine: review of 144 cases, 1546
Macy, Icie G. (*See* Coryell, Harris, Miller, Rutledge, Williams, and Macy), 1462
—. (*See* Coryell, Harris, Miller, Williams, and Macy), 1454
Madison, F. W., and Pohle, H. W. Rutin in purpura, 340
Malinow, M. R., and Korzon, W. An experimental method for obtaining an ultrafiltrate of the blood, 461
Malton, S. D. (*See* Hoobler, Lyons, Neligh, Kowalski, Manry, Manning, and Peet), 1418
—. (*See* Moe, Malton, Freyburger, and Rennick), 1415
Mandel, Emanuel E. Rectal absorption of penicillin, 1533
Mangieri, C. N. The assay of heparin, 901
Manning, J. T. (*See* Hoobler, Lyons, Neligh, Kowalski, Malton, Paine, Manry, Manning, and Peet), 1418
Manry, C. H. (*See* Hoobler, Lyons, Neligh, Kowalski, Malton, Paine, Manry, Manning, and Peet), 1418
Marinis, T. P., Muirhead, E. E., Jones, Frances, and Hill, J. M. Sodium and potassium determinations in health and disease, 1208
Marks, Edna K. (*See* Jacobson, Marks, and Simmons), 341
Marshall, John. (*See* Wakerlin, Kamm, Donaldson, Moss, Minatoya, Lefco, and Marshall), 327
Martin, John W., Curfman, George H., Jr., and Cavano, Frank L. The prothrombin time and variables in the method, 554
Martin, William S. (*See* Friedman and Martin), 1284
Mason, Kathleen. (*See* Sutliff and Mason), 1534
Massie, Edward. (*See* Norris and Massie), 1519
May, Lawrence M., and Gregory, Raymond. The effects of inflammation on the severity of diabetes, 1540
Meads, Manson. (*See* Finland, Barnes, Meads, Ory, and Rubenstein), 367
Mehl, John W. (*See* Johnson, Deuel, Morehouse, and Mehl), 322
Meyer, Leo M. (*See* Sawitsky and Meyer), 70
Meyers, Muriel C. (*See* Bethell, Meyers, Andrews, Swendseid, Bird, and Brown), 3
—. (*See* Bethell, Swendseid, Bird, Brown, Meyers, and Andrews), 337
Miller, Jeanne. (*See* Knight and Miller), 1537
Miller, Sol. (*See* Coryell, Harris, Miller, Rutledge, Williams, and Macy), 1462
—. (*See* Coryell, Harris, Miller, Williams, and Macy), 1454

MINATOYA, HIROAKI. (*See* WAKERLIN, KAMM, DONALDSON, MOSS, MINATOYA, LEFCO, AND MARSHALL), 327
MINTZ, S. S. (*See* KATZ AND MINTZ), 325
MITCHELL, H. H. (*See* KEETON, COLE, CALLOWAY, GLICKMAN, MITCHELL, DYNIEWICZ, AND HOWES), 316
MITCHELL, SALLIE. (*See* BENSLEY, MITCHELL, AND WOOD), 1382
MIXER, HARRY W. (*See* KIRSCHBAUM AND MIXER), 720
MOE, G. K., MALTON, S. D., FREYBURGER, WALTER, AND RENNICK, BARBARA. The role of arterial pressure changes in the induction of epinephrine-cyclopropane idioventricular rhythms, 1415
—, RENNICK, B. HOOBLER, S. W., NELIGH, R., AND LYONS, R. H., Evaluation of vasomotor tone in animals and man by means of the tetraethylammonium ion, 311
MOK, W. T. (*See* HOFFMAN, KOZOLL, MOK, AND POPPER), 1538
—. (*See* KOZOLL AND MOK), 1403
MONTGOMERY, GEORGE E., JR., WOOD, EARL H., BURCHELL, HOWARD B., DRY, THOMAS J., PARKER, ROBERT L., AND HELMHOLZ, H. FREDERIC, JR. Continuous observations of the arterial oxygen saturation at rest and during exercise in congenital heart disease, 1508
MOREHOUSE, MARGARET G. (*See* JOHNSON, DEUEL, MOREHOUSE, AND MEHL), 322
MORRISON, LESTER M. The diagnosis of pancreatic disease by enzyme tests, 1107
MOSS, W. G. (*See* WAKERLIN, KAMM, DONALDSON, MOSS, MINATOYA, LEFCO, AND MARSHALL), 327
MUIRHEAD, E. E. (*See* MARINIS, MUIRHEAD, JONES, AND HILL), 1208
—, SMALL, A. B., HALEY, A. E., AND HILL, J. M. Peritoneal irrigation for acute renal damage following incompatible blood transfusion: a discussion based on three cases, 988
MURPHY, GEORGE. (*See* HARDGROVE, FURLONG, AND MURPHY), 1542
MYERS, GORDON B. (*See* NOTH, MYERS, AND KLEIN), 1517
MYERS, JO W. (*See* DOAN, WISEMAN, WRIGHT, GEYER, MYERS, AND MYERS), 943
MYERS, WILLIAM. (*See* DOAN, WISEMAN, WRIGHT, GEYER, MYERS, AND MYERS), 943

N

NALEFSKI, L. A., AND LEROY, GEORGE V. Dicumarol in experimental myocardial infarction, 1417
NARUT, LEO F. (*See* POPPER, STEIGMANN, FRANKLIN, AND NARUT), 1524
NAUMANN, HANS N. Schlesinger's test for urobilin in the presence of riboflavin and other fluorescent compounds, 1503
NECHELES, H. (*See* POPPER AND NECHELES), 1528
NELIGH, R. (*See* HOOBLER, LYONS, NELIGH, KOWALSKI, MALTON, PAINE, MANRY, MANNING, AND PEET), 1418
—. (*See* MOE, RENNICK, HOOBLER, NELIGH, AND LYONS), 311
NELSON, C. BARTON. (*See* KABLER, BAUER, AND NELSON), 854
NELSON, CARL T. The serologic response in urine typhus as measured by the Weil-Felix, rickettsial complement fixation, and rickettsial agglutination reactions, 360
NELSON, EVELYN M. (*See* HEINLE, NELSON, NELSON, AND WELCH), 336
NELSON, H. VICTOR. (*See* HEINLE, NELSON, NELSON, AND WELCH), 336
NEWHALL, ANNE. (*See* ZUELZER, NEWHALL, AND HUTAFF), 1217
NEWMAN, BERNARD. (*See* RAFSKY, NEWMAN, AND JOLLIFFE), 118
NICHOLES, P. S. (*See* FOSHAY, RUCHMAN, AND NICHOLES), 332
NICHOLS, CLARENCE W., JR. A simple apparatus for culturing Neisseria gonorrhea under partial carbon dioxide tension, 576
NICHOLS, DONALD R., AND HERRELL, WALLACE E. Penicillin in the treatment of actinomycosis, 1405
NICKEL, JAMES F. (*See* CALLENDER AND NICKEL), 1397
NITSHE, G. A., JR., GERARDE, H. W., AND DEUTSCH, H. F. Prothrombin time studies on human beings and experimental animals, 410
NOBE, CATHERINE. (*See* HOFFMAN, VOLINI, POMARANC, AND NOBE), 1528
NOEHREN, THEODORE H. Normal sedimentation rates in active pulmonary tuberculosis, 526
NORRIS, GEORGE L., AND MASSIE, EDWARD. The effect of a single inspiration in lead III and lead CF IV of the human electrocardiogram, 1519
NOTH, PAUL H., MYERS, GORDON B., AND KLEIN, HOWARD A. The precordial electrocardiogram in left ventricular hypertrophy: a study of autopsied cases, 1517

O

OBERST, FRED W. (*See* GROSS AND OBERST), 94
OHLSON, MARGARET A. (*See* LEWIS, OHLSON, CEDERQUIST, AND DONELSON), 419
ORY, EDWIN M. (*See* FINLAND, BARNES, MEADS, ORY AND RUBENSTEIN), 367
OSGOOD, EDWIN E. (With the technical assistance of GAMBLE, BARBARA.) Assay of penicillin streptomycin, trivalent organic arsenicals, and other bactericidal and bacteriostatic agents, 444
OWEN, J. G. (*See* PICKARD, OWEN, AND DAMMIN), 1513

P

PAGE, IRVINE H. (*See* CORCORAN, TAYLOR, AND PAGE), 1421
—. (*See* DOMINGUEZ, CORCORAN, AND PAGE), 1192
—. (*See* TAYLOR, BIRCHALL, CORCORAN, AND PAGE), 1551
—. (*See* TAYLOR, UNDERWOOD, AND PAGE), 1491
PAI, S. E. (*See* FROBISHER, PARSONS, PAI, AND HAKIM), 1008
PAINE, W. G. (*See* HOOBLER, LYONS, NELIGH, KOWALSKI, MALTON, PAINE, MANRY, MANNING, AND PEET), 1418
PALMER, WALTER LINCOLN. (*See* LEVIN, PALMER, AND KIRSNER), 344
—. (*See* LEVIN, KIRSNER, PALMER, AND BUTLER), 1521
PARKER, ROBERT L. (*See* MONTGOMERY, WOOD, BURCHELL, DRY, PARKER, AND HELMHOLZ), 1508
PARKIN, THOMAS W., AND KVALE, WALTER F. Neutralization of heparin with protamine (salmine), 1396
PARSONS, E. I. (*See* FROBISHER, PARSONS, PAI, AND HAKIM), 1008
PATEK, ARTHUR J., JR. (*See* PELLEGRINO, PATEK, COLCHER, AND DOMANSKI), 397
PATTERSON, F. M. SIMMONS. (*See* PEMBERTON, EIMAN, PATTERSON, AND STACKHOUS), 1121
PEARSON, JOHN S. (*See* COURTER AND PEARSON), 1514
PEARSON, P. B. (*See* KUNKEL, PEARSON, AND SCHWEIGERT), 1027
PEET, M. M. (*See* HOOBLER, LYONS, NELIGH, KOWALSKI, MALTON, PAINE, MANRY, MANNING, AND PEET), 1418
PEFFER, J. R. (*See* VOLINI, HUGHES, PEFFER, AND HOFFMAN), 1529
PELLEGRINO, EDMUND, PATEK, ARTHUR J., JR., COLCHER, ANNE, AND COMANSKI, BEATRICE. Observations on the diurnal excretion of urobilinogen in the urine of normal subjects and of patients with Laënnec's cirrhosis, 397
PEMBERTON, RALPH, EIMAN, JOHN, PATTERSON, F. M., SIMMONS, AND STACKHOUS, ELEANOR A. Attempts at the experimental production of arthritis, 1121
PERSONEUS, G. (*See* ABLONDI, SUBBAROW, LIPCHUCK, AND PERSONEUS), 1099
PFEIFFER, CARL C., JENNEY, ELIZABETH H., AND WILLIAMS, HARRY L. A dermal plethysmograph for the recording of skin-whealing reactions, 1387
PICKARD, C. M., OWEN, J. G., AND DAMMIN, G. J. Aneurysms of the coronary arteries due to polyarteritis nodosa occurring in an infant: report of a case with coronary artery thrombosis and myocardial infarction, 1513
PIJPER, ADRIANUS. The diffraction method of measuring red blood cells, 857
PITTARD, VERNA. (*See* STREICHER AND PITTARD), 1531
PIZZOLATO, PHILIP, AND STASNEY, JOSEPH. Quantitative cytologic study of multiple sternal marrow samples taken simultaneously, 741
PLASS, HERBERT F. R. Outbreak of diarrheal disease associated with paracolon, 886
PLATZER, RICHARD F. (*See* YOUNG, PLATZER, AND RAFFERTY), 489
POHLE, FREDERICK J., AND COHEN, EPHRAIM B. Variations in blood platelets in allergic individuals following the ingestion of test foods, 1395
POHLE, H. W. (*See* MADISON AND POHLE), 340
—. (*See* ROSENBAUM AND POHLE), 1518
POLLARD, H. MARVIN, BLOCK, MALCOLM, AND BACHRACH, W. H. The effect of enterogastrone on fasting gastric secretion and motility in patients with duodenal ulcers, 346
POLLI, J. F. (*See* MCNALLY, BERGMAN, AND POLLI), 913
POMARANC, MARK. (*See* HOFFMAN, VOLINI, POMARANC, AND NOBE), 1528
POMEROY, NOEL F. (*See* VANDER BROOK, LYSTER, GRAHAM, POMEROY, AND CARTLAND), 1115
PONCHER, HENRY G. (*See* BEDINGER, PONCHER, AND LIMARZI), 1394
PONKA, JOSEPH L. (*See* LAM AND PONKA), 1434
POPPER, HANS. (*See* HOFFMAN, KOZOLL, MOK, AND POPPER), 1538
—. (*See* STEIGMANN, SALK, TODD, AND POPPER), 1525
— AND NECHELES, H. Transition of pancreatic edema into pancreatic necrosis, 1528
—, FRANKLIN, MURRAY, STEIGMANN, FREDERICK, AND KOZOLL, DONALD D. Relation between structural and functional alterations of the liver, 318
—, STEIGMANN, FREDERICK, AND DYNIEWICZ, HATTIE A. Treatment of endogenous hypovitaminemia A in liver disease, 1403
—, —, FRANKLIN, MURRAY, AND NARUT, LEO F. Infectious and toxic hepatitis: pathologic and clinical manifestations, 1524
PORTNUFF, JOSEPH C. (*See* LUBINSKI AND PORTNUFF), 178
PRITCHARD, JACK A. (*See* HEINLE, WELCH, GEORGE, EPSTEIN, AND PRITCHARD), 1398
PRITCHARD, W. H. (*See* ECKSTEIN, STROUD, PRITCHARD, AND DOWLING), 1515
PROCTOR, BERDINE. (*See* YOUNG, PLATZER, AND RAFFERTY), 489
PUETZER, BRUNO. (*See* GRUBB AND PUETZER), 566

Q

QUAN, S. F., AND KREEKIS, V. Dilution technique for rapid estimation of dihydrostreptomycin and other antibacterial agents in body fluids, 1378

QUICK, ARMAND J. Congenital familial hypoprothrombinemias, 1424
—. On the relation of calcium to the activation of prothrombin and its significance in dicumarol poisoning, 342

R

RAFFERTY, JAMES A. (*See* YOUNG, PLATZER, AND RAFFERTY), 489
RAFSKY, HENRY A., NEWMAN, BERNARD, AND JOLLIFFE, NORMAN. The relationship of gastric acidity to thiamine excretion in the aged, 118
RAKE, GEOFFREY. (*See* SHAFFER AND RAKE), 1060
RANDALL, W. A. (*See* WELCH AND RANDALL), 199
RANDOLPH, THERON G. Gelatin as an allergen, 1548
—. Masked food allergy as a factor in the development and persistence of obesity, 1547
— AND YEAGER, LEONA B. The incidence of allergy to major foods, 1547
RAPPAPORT, F., AND EICHHORN, F. Rapid titrimetric micromethod for the determination of nonprotein nitrogen, 1034
REASER, PAUL. (*See* BURCH, REASER, AND CRONVICH), 1169
REBUCK, JOHN W. The structure of the giant cells in the blood-forming organs, 660
REINER, PHILLIP J. (*See* DAVIDSON, WILCKE, FEIN, AND REINER), 1470
REISER, MORTON F., AND FERRIS, EUGENE B., JR. The nature of the cold pressor test and its significance in relation to neurogenic and humoral mechanisms in hypertension, 1420
RENNICK, BARBARA. (*See* MOE, MALTON, FREYBURGER, AND RENNICK), 1415
—. (*See* ROE, RENNICK, HOOBLER, NELIGH, AND LYONS), 311
REYNOLDS, JOHN L., AND HORTON, BAYARD T. Clinical observations on the use of thephorin (NU-1504): a new antihistaminic agent, 1545
RHOADS, PAUL S. (*See* YEAGER, RHOADS, AND FREEMAN), 502
—, SVEC, FLOYD A., AND ROHR, JOSEPH H. Laboratory and clinical observations on the use of a new sulfonamide—3,4-Dimethyl-5-sulfanilamidoisoxazole (NU 445), 1530
RICHBURG, PAUL L. (*See* STRAUSS, RICHBURG, SABA, AND ALEXANDER), 818
RIGDON, R. H., AND VARNADOE, NONA B. Effect of oxygen on malaria, 57
— AND —. Effect of 3,3′methylenebis (4 hydroxycoumarin) on vitamin A deficient ducks, 532
RIGLER, LEO G. (*See* KAPLAN AND RIGLER), 644
ROBERTSON, H. ROCKE, AND RUTHERFORD, P. S. Peritoneal irrigation in the treatment of renal failure due to transfusion reaction, 982
ROBERTSON, O. H. (*See* HAMBURGER AND ROBERTSON), 1534
ROBINSON, WILLIAM D., AND BLOCK, WALTER D. Protein metabolism in rheumatoid arthritis, 1551
RODBARD, S. (*See* SURTSHIN, RODBARD, AND KATZ), 1414
ROHR, JOSEPH H. (*See* RHOADS, SVEC, AND ROHR), 1530
— AND FREEMAN, SMITH. The comparative effect of various alkalis and urea upon the blood concentration, excretion, and conjugation of sulfonamides with glucuronic and acetic acid, 1531
ROSENBAUM, FRANCIS F. (*See* CONLEY, SCHUMM, ROSENBAUM, AND GAENSLEN), 1422
— AND POHLE, HERBERT W. The form of the electrocardiogram in anteroseptal myocardial infarction complicated by right and left bundle branch block, 1518
ROSENTHAL, SOL ROY. The contagiousness of coccidioidomycosis, 1535
ROTH, GRACE M., AND KVALE, WALTER F. Further studies with the histamine test for pheochromocytoma, 1510
ROTMAN-KAVKA, GEORGINE. (*See* HIRSH, DOWLING, VIVINO, AND ROTMAN-KAVKA), 34
ROUTH, JOSEPH I. (*See* BLOCK, JACKSON, AND ROUTH), 1435
RUBENSTEIN, A. DANIEL. (*See* FINLAND, BARNES, MEADS, ORY, AND RUBENSTEIN), 367
RUBIN, MITCHELL I. (*See* WITEBSKY, RUBIN, AND BLUM), 1330
—. (*See* WITEBSKY, RUBIN, ENGASSER, AND BLUM), 1339
RUCHMAN, I. (*See* FOSHAY, RUCHMAN, AND NICHOLES), 332
RUTHERFORD, P. S. (*See* ROBERTSON AND RUTHERFORD), 982
RUTLEDGE, MARJORIE M. (*See* CORYELL, HARRIS, MILLER, RUTLEDGE, WILLIAMS, AND MACY), 1462
RYDER, HENRY W., AND KEHOE, ROBERT A. The effect of dithiopropanol (BAL) on human lead intoxication, 1423

S

SABA, PHILLIP Z. (*See* STRAUSS, RICHBURG, SABA, AND ALEXANDER), 818
SAFDI, STUART A. (*See* SCHIFF, KUMPE, SAFDI, AND GALL), 1524
SALK, MELVIN. (*See* STEIGMANN, SALK, TODD, AND POPPER), 1525
SALLMAN, BENNETT. (*See* BARNES, SALLMAN, AND BIRKELAND), 1540
SANFORD, HEYWORTH N. (*See* BUTLER, THOMAS, AND SANFORD), 1432
SASLAW, SAMUEL, AND DOAN, CHARLES A. The role of phagocytosis in resistance, as related to age of granulocytes following primary and reinfection studies with hemolytic streptococci in Macacus rhesus, 878

Saur, Barbara. (*See* Albanese, Saur, and Irby), 296
Sawitsky, Arthur, and Meyer, Leo M. The bone marrow of normal cats, 70
Schiff, Leon, Kumpe, Carl, Safdi, Stuart A., and Gall, Edward A. Experiences with needle biopsy of the liver in patients with malignant hepatic neoplasm, 1524
Schleicher, E. M., and Sharp, E. A. Morphology of bone marrow, 343
Schoen, Arthur M., and Knoefel, P. K. The measurement of human gastric function, 345
Schoenberger, James A. (*See* Loosli, Schoenberger, and Barnett), 1410
Schroeder, Henry A., Futcher, Palmer H., and Goldman, Melvin L. The effects of a diet of rice and fruit juices upon the blood pressure of hypersensitive individuals, 1509
Schultz, A. L. (*See* Watson, Schultz, and Wikoff), 606
Schumm, Herman C. (*See* Conley, Schumm, Rosenbaum, and Gaenslen), 1422
Schwartz, Steven O. (*See* Traut and Schwartz), 1430
— and Armstrong, Berthe E. Treatment of pernicious anemia with pteroyl glutamic acid (folic acid), 1427
— and Blumenthal, Sunoll. Exogenous hemochromatosis, 1428
— and Vil, Charles S. Benzidine-negative stools during iron therapy, 181
Schweigert, B. S. (*See* Kunkel, Pearson, and Schweigert), 1027
Schweppe, J. S., and Freeman, Smith. The effect of serum protein depletion on water and salt excretion and sensitivity to pituitrin, 1537
Scott, C. C., and Worth, H. M. An apparatus for continuous recording of the volume of expired air, 1496
Scott, Thornton. (*See* Thannhauser, Wikler, and Scott), 1526
—. Cytologic studies of sputum in bronchogenic carcinoma, 1543
Seeler, Albert O., Wilcox, Clare, and Finland, Maxwell. Enhancement of blood levels by carbonamide during intramuscular administration of penicillin, 807
Shaffer, Carl F. (*See* Chapman and Shaffer), 313
Shaffer, James. (*See* Spink, Hall, Shaffer, and Braudie), 1408
Shaffer, Morris F., and Rake, Geoffrey. Studies on lymphogranuloma venereum: evaluation of the complement fixation test with lygranum, 1060
Shapiro, B. (*See* Herz and Shapiro), 1159
Shapiro, M. J. The results of surgery in patent ductus arteriosus, 329
Shapiro, Shepard. (*See* Siener and Shapiro), 1037
Sharp, E. A. (*See* Berman, Axelrod, Sharp, and Vonder Heide), 1431
—. (*See* Schleicher and Sharp), 343
Sheppard, C. W. (*See* Hahn, Goodell, Sheppard, Cannon, and Francis), 1442
—, Goodell, James P. B., and Hahn, P. F. Colloidal gold containing the radioactive isotope Au^{198} in the selective internal radiation therapy of diseases of the lymphoid system, 1437
—, Wells, E., Buist, Hahn, P. F., and Goodell, James P. B. Studies of the distribution of intravenously administered colloidal sols of manganese dioxide and gold in human beings and dogs using radioactive isotopes, 274
Shore, Mary Kozak. (*See* Loewe, Eiber, Alture-Werber, and Shore), 832
Siemens, Herman. (*See* Tuba, Cantor, and Siemens), 194
Simmons, Eric L. (*See* Jacobson, Marks, and Simmons), 341
—. (*See* Jacobson, Stearner, and Simmons), 1425
Simpson, Katherine P. (*See* Cutler and Winters), 572
Sims, John LeRoy. (*See* Brown, Sims, and Clifford), 1523
Sirridge, Marjorie S. (*See* Diggs and Sirridge), 167
Slaughter, Owen L., Brown, Hugh S., and Wakim, Khalil G. The effect of tetraethylammonium chloride on the blood flow in the extremities of normal individuals, 1419
Small, A. B. (*See* Muirhead, Small, Haley, and Hill), 988
Smith, Mary Ruth. (*See* Wood and Smith), 1406
Smyth, Charley J. (*See* Levey and Smyth), 1364
—, Lasichak, Andrew G., and Levey, Stanley. The effect of the rate of administration of amino acid preparations and blood amino acid nitrogen level on the production of nausea and vomiting, 889
—, Levey, Stanley, and Lasichak, Andrew G. The effect of the rate of administration of amino acid preparations on the urinary wastage of amino acid nitrogen, 1539
Snapp, F. E., Gutmann, M., Li, T. W., and Ivy, A. C. The experimental production of jaundice of the direct-reacting type by the injection of a preparation of direct-reacting bilirubin, 321
Snyder, Leopold J. Crystalluria following sulfonamide mixtures and sulfonamides plus alkali: a comparative study of 400 cases, 1532
Spier, Jack, Cluff, Leighton E., and Urry, William D. Aplastic anemia following administration of thorotrast, 147
Spies, Tom D. (*See* Bieler, Ecker, and Spies), 130
—. (*See* Vilter, Vilter, and Spies), 335

SPINK, WESLEY W. (*See* HOFFBAUER AND SPINK), 315
—, HALL, WENDELL H., SHAFFER, JAMES, AND BRAUDIE, ABRAHAM I. Experimental and clinical investigations on the specific treatment of human brucellosis, 1408
STACEY, R. S. Serum proteins in acute infections, 1002
STACKHOUS, ELEANOR A. (*See* PEMBERTON, EIMAN, PATTERSON, AND STACKHOUS), 1121
STARE, F. J. (*See* HEGSTED, KENT, TSONGAS, AND STARE), 403
STASNEY, JOSEPH. (*See* PIZZOLATO AND STASNEY), 741
STEARNER, PHYLLIS. (*See* JACOBSON, STEARNER, AND SIMMONS), 1425
STEIGMANN, FREDERICK. (*See* KAMMERLING AND STEIGMANN), 1527
—. (*See* POPPER, STEIGMANN, AND DYNIEWICZ), 1403
—. (*See* POPPER, FRANKLIN, STEIGMANN, AND KOZOLL), 318
—. (*See* POPPER, STEIGMANN, FRANKLIN, AND NARUT), 1524
—, SALK, MELVIN, TODD, WILLIAM H., AND POPPER, HANS. Methionine in the treatment of chronic acute hepatitis, 1525
STEINBERG, ARTHUR. (*See* GALL AND STEINBERG), 508
STENGLE, JAMES. (*See* KYSER, MCCARTER, AND STENGLE), 379
STEWART, H. W. (*See* HEWITT, KUSHNER, STEWART, WHITE, WALLACE, AND SUBBAROW), 1314
—. (*See* HEWITT, WHITE, WALLACE, STEWART, KUSHNER, AND SUBBAROW), 1304
STOKSTAD, E. L. R. (*See* JUKES, FRANKLIN, STOKSTAD, AND BOEHNE), 1350
STRAUSS, ELIAS, RICHBURG, PAUL L., SABA, PHILLIP Z., AND ALEXANDER, J. ERNEST. Enhancement of plasma penicillin concentrations by caronamide and sodium benzoate, 818
STREICHER, MICHAEL H., AND PITTARD, VERNA. Clinical studies of insoluble ketones as intestinal antiseptics, 1531
STROUD, M. W. (*See* ECKSTEIN, STROUD, PRITCHARD, AND DOWLING), 1515
STURGIS, CYRUS C. (*See* BEIERWALTES AND STURGIS), 392
SUBBAROW, Y. (*See* ABLONDI, SUBBAROW, LIPCHUCK, AND PERSONEUS), 1099
—. (*See* HEWITT, KUSHNER, STEWART, WHITE, WALLACE, AND SUBBAROW), 1314
—. (*See* KERSTEN, BROSENE, ABLONDI, AND SUBBAROW), 1090
—. (*See* HEWITT, WALLACE, WHITE, AND SUBBAROW), 1293
—. (*See* HEWITT, WHITE, WALLACE, STEWART, KUSHNER, AND SUBBAROW), 1304
SUNDBERG, R. DOROTHY. Lymphocytogenesis in human lymph nodes, 777
SURTSHIN, A., RODBARD, S., AND KATZ, L. N. Inhibition of the pressor response to epinephrine injection in complete anoxia, 1414
SUTLIFF, W. D., AND MASON, KATHLEEN. Streptomycin resistance of Brucella suis and Eberthella typhosa, 1534
SVEC, FLOYD A. (*See* RHOADS, SVEC, AND ROHR), 1530
SWENDSEID, MARIAN E. (*See* BETHELL, MEYERS, ANDREWS, SWENDSEID, BIRD, AND BROWN), 3
—. (*See* BETHELL, SWENDSEID, BIRD, BROWN, MEYERS, AND ANDREWS), 337
—, BIRD, ORSON D., BROWN, RAYMOND A., AND BETHELL, FRANK H. Metabolic function of pteroylglutamic acid and its hexaglutamyl conjugate. II. Urinary excretion studies on normal persons. Effect of a conjugase inhibitor, 23
—, WANDRUFF, BENJAMIN, AND BETHELL, FRANK H. Urinary phenols in normal subjects; effect of a liver extract, 1248
—, —, AND —. Urinary phenols in pernicious anemia, 1242
SWENSON, ROY E., AND CURTIS, GEORGE M. The differentiation of incipient hyperthyroidism, 1413

T

TAYLOR, C. B. (*See* HASS AND TAYLOR), 1512
—, AKRE, O. H., AND DAVIS, C. B., JR. Regional production of myocardial necrosis with electrocardiographic analysis, 1416
TAYLOR, ROBERT D. (*See* CORCORAN, TAYLOR, AND PAGE), 1421
—, BIRCHALL, ROBERT, CORCORAN, A. C., AND PAGE, IRVINE H. Circulatory responses to spinal and caudal anesthesia in hypertension: relation to the effect of sympathectomy, 1551
—, UNDERWOOD, LEE C., AND PAGE, IRVINE H. Effects of tetraethyl ammonium chloride on a mixed type of hypersensitive carotid sinus syndrome, 1491
TELSER, STANLEY E. (*See* GLICKMAN, KEETON, INOUYE, HICK, TELSER, CALLEN, AND GIANASI), 1515
TERRY, LUTHER L., MCBANE, JOHN K., AND DEAN, KATHRYN F. Bacteremia and acute meningitis due to Alcaligenes faecalis, 1262
THANNHAUSER, S. J., WIKLER, A., AND SCOTT, THORNTON. An unusual case of essential normal cholesteremic xanthomatosis, 1526
THATCHER, J. S. (*See* HOUGHTON, THATCHER, AND HILLES), 1410
THOMAS, WILLIAM A. (*See* BUTLER, THOMAS, AND SANFORD), 1432
THOMPSON, FRANCES. (*See* COHEN AND THOMPSON), 314, 475
THOMPSON, ROBERT T. Antithyaluronidase activity in human serum which in-

activates the hyaluronidases of types I, II, and VII pneumococci: rise in titer following pneumococcus bacteremia, 1407
— AND BLANKENHORN, M. A. Evaluation of the treatment of primary pneumococcic pneumonia, 333
TIANASI, CHARLES A. (*See* GLICKMAN, KEETON, INOUYE, HICK, TELSER, CALLEN, AND GIANASI), 1515
TODD, WILLIAM H. (*See* STEIGMANN, SALK, TODD, AND POPPER), 1525
TORDA, CLARA, AND WOLFF, HAROLD G. Effect of alkaloids on acetylcholine and potassium sensitivity of striated muscle, 1374
TRAUT, EUGENE F., AND SCHWARTZ, STEVEN O. A study of the marrow in arthritis, 1430
TRAUTMAN, WALTER J., JR., DAVIS, WILLIAM D., JR., AND FINDLEY, THOMAS. Failure of the isolated perfused mammalian heart to destroy renin and angiotonin, 1482
TREGER, N. V. (*See* BARKER, LINDBERG, AND TREGER), 1509
TRUMP, RUTH. (*See* GILBERT, DEY, AND TRUMP), 28
TSONGAS, A. G. (*See* HEGSTED, KENT, TSONGAS, AND STARE), 403
TUBA, JULES, CANTOR, MAX M., AND SIEMENS, HERMAN. Phosphatases and inorganic phosphorus in normal and human serum, 194
TURNBULL, GEORGE C. Abdominal actinomycosis, 1536

U

UNDERWOOD, LEE C. (*See* TAYLOR, UNDERWOOD, AND PAGE), 1491
URRY, WILLIAM D. (*See* SPIER, CLUFF, AND URRY), 147

V

VAN DELLEN, T. R. (*See* ABEL AND VAN DELLEN), 1536
VAN NOSTRAND, MARTHA. (*See* DASLER, BAUER, AND NOSTRAND), 1251
VANDER BROOK, MILTON J., LYSTER, STANLEY C., GRAHAM, BOYD E., POMEROY, NOEL E., AND CARTLAND, GEORGE F. Intravenously administered gelatin—a toxicity study, 1115
VARNADOE, NONA B. (*See* RIGDON AND VARNADOE), 57, 532
VIGRAN, I. MYRON. A method of bone marrow biopsy from the rat, 102
VIL, CHARLES S. (*See* SCHWARTZ AND VIL), 181
VILTER, CARL F. (*See* VILTER, VILTER, AND HAWKINS), 1426
—, VILTER, R. W., AND SPIES, T. D. The occurrence of combined system disease in persons with pernicious anemia during treatment with the Lactobacillus casei factor (folic acid), 335
—, —, AND —. The treatment of pernicious and related anemias with synthetic folic acid. I. Observations on the maintenance of a normal hematologic status and on the occurrence of combined system disease at the end of one year, 262
VILTER, RICHARD W. (*See* VILTER, VILTER, AND SPIES), 262, 335
—, VILTER, CARL F., AND HAWKINS, VIRGINIA. Combined system disease and hematologic relapse occurring in persons with pernicious anemia treated with synthetic folic acid (pteroylglutamic acid) for a period of two years, 1426
VIVINO, JEAN J. (*See* HIRSH, DOWLING, VIVINO, AND ROTMAN-KAVKA), 34
VOLINI, ITALO F. (*See* HOFFMAN, VOLINI, AND HUGHES), 1529
—. (*See* HOFFMAN, VOLINI, POMARANC, AND NOBE), 1528
—, HUGHES, J. R., PEFFER, J. R., AND HOFFMAN, WILLIAM S. Treatment of lobar pneumonia with penicillin in oil and beeswax, 1529
VOLTERRA, MARIO, AND JACOBS, MILDRED D. A simple method for the determination of salicylates in blood, 1282
VONDER, HEIDE, E. C. (*See* HERMAN, AXELROD, SHARP, AND VONDER HEIDE), 1431

W

WACHSTEIN, MAX. Studies on the nephrotoxic action of *dl*-serine in the rat. III. The influence of experimental hydronephrosis, 1130
WADE, LEO. The effect of choline, methionine, and low fat diet on the life expectancy of patients with cirrhosis of the liver, 1522
WAIFE, SHOLOM O. Hyperparathyroidism and partial heart block, 185
WAKERLIN, G. E., KAMM, OLIVER, DONALDSON, WAYNE, MOSS, W. G., MINATOYA, HIROAKI, LEFCO, TED, AND MARSHALL, JOHN. Present status of the therapy of experimental renal hypertension, 327
WAKIM, KHALIL G. (*See* SLAUGHTER, BROWN, AND WAKIM), 1419
—, HERRICK, J. F., AND GERSTEN, JEROME. Clinical and experimental studies on the effects of diathermy on blood flow, 1511
WALLACE, W. S. (*See* HEWITT, KUSHNER, STEWART, WHITE, WALLACE, AND SUBBAROW), 1314
—. (*See* HEWITT, WALLACE, WHITE, AND SUBBAROW), 1293
WANDRUFF, BENJAMIN. (*See* SWENDSEID, WANDRUFF, AND BETHELL), 1242, 1248
WARDEN, HENRY F. (*See* JONES, WARDEN, AND DARBY), 387
WATKINS, CHARLES H. (*See* HALL AND WATKINS), 622

WATSON, CECIL J. (*See* LARSON, EVANS, AND WATSON), 481
—, SCHULTZ, A. L., AND WIKOFF, H. M. Purpura following estrogen therapy, with particular reference to hypersensitivity to (diethyl) stilbestrol and with a note on the possible relationship of purpura to endogenous estrogens, 606
WEIR, JAMES F., AND COMFORT, MANDRED. Folic acid therapy in nontropical sprue: results of treatment in seven cases, 1231
WEISBERGER, AUSTIN S. (*See* HEINLE, DINGLE, AND WEISBERGER), 970
WELCH, ARNOLD D. (*See* HEINLE, NELSON, NELSON, AND WELCH), 336
—. (*See* HEINLE, WELCH, GEORGE, EPSTEIN, AND PRITCHARD), 1398
WELCH, HENRY, AND RANDALL, W. A. Sensitivity of Eberthella typhosa to penicillin fractions G and X, 190
WELD, JULIA T. (With the technical assistance of GUNTHER, ANNE.) A streak plate method for determining growth curves, 1139
WELLS, E. BUIST. (*See* SHEPPARD, WELLS, HAHN, AND GOODELL), 274
WHEELER, PAUL A. (*See* CHAPMAN, WHEELER, AND GUGLE), 1417
WHITE, ABRAHAM. (*See* DOUGHERTY AND WHITE), 584
WHITE, ABRAHAM G. Effect of tyrosine, tryptophane, and thiouracil, on melanuria, 1254
WHITE, BEVERLY H., AND HARKINS, HENRY N. The treatment of experimental uremia by intestinal lavage, 1434
WHITE, E. (*See* HEWITT, KUSHNER, STEWART, WHITE, WALLACE, AND SUBBAROW), 1314
—. (*See* HEWITT, WALLACE, WHITE, AND SUBBAROW), 1293
—. (*See* HEWITT, WHITE, WALLACE, STEWART, KUSHNER, AND SUBBAROW), 1304
WIENER, MURRAY J., AND SHAPIRO, SHEPARD. Fibrin appearance time, 1037
WIKLER, A. (*See* THANNHAUSER, WIKLER, AND SCOTT), 1526
WIKOFF, H. M. (*See* WATSON, SCHULTZ, AND WIKOFF), 606
WILCKE, HAROLD L. (*See* DAVIDSON, WILCKE, FEIN, AND REINER), 1470
WILCOX, CLARE. (*See* SEELER, WILCOX, AND FINLAND), 807
WILLIAMS, CHARLES F., AND FLINK, EDMUND B. Hereditary hemorrhagic telangiectasia in association with cerebral manifestations and pulmonary arteriovenous aneurysm, 1401
WILLIAMS, HAROLD H. (*See* CORYELL, HARRIS, MILLER, RUTLEDGE, WILLIAMS, AND MACY), 1462
—. (*See* CORYELL, HARRIS, MILLER, WILLIAMS, AND MACY), 1454
WILLIAMS, HARRY L. (*See* PFEIFFER, JENNEY, AND WILLIAMS), 1387
WINTERS, WILLIAM L. (*See* CUTLER AND WINTERS), 572
WISEMAN, B. K. (*See* DOAN, WISEMAN, WRIGHT, GEYER, MYERS, AND MYERS), 943
WITEBSKY, ERNEST, RUBIN, MITCHELL I., AND BLUM, LIVIA. Studies in erythroblastosis fetalis. I. Activation of the incomplete Rh antibody by the blood serum of full-term and premature newborn infants, 1330
—, —, ENGASSER, LILLIAN M., AND BLUM, LIVIA. Studies in erythroblastosis fetalis. II. Investigations on the detection of sensitization of the red blood cells of newborn infants with erythroblastosis fetalis, 1339
WOLFF, HAROLD G. (*See* TORDA AND WOLFF), 1374
WOLFSON, QUITMAN. (*See* COHN AND WOLFSON), 1203
WONG, SAM C., HAMBLY, ALVIN S., JR., AND ANDERSON, HAMILTON H. Use of modified Dubos and Davis medium for demonstration of antibiotic activity of subtilin against mycobacterium tuberculosis, 837
WOOD, EARL H. (*See* MONTGOMERY, WOOD, BURCHELL, DRY, PARKER, AND HELMHOLZ), 1508
WOOD, PHYLLIS. (*See* BENSLEY, MITCHELL, AND WOOD), 1382
WOOD, W. BARRY, JR., AND SMITH, MARY RUTH. Surface phagocytosis of type III pneumococcus, 1406
WORTH, H. M. (*See* SCOTT AND WORTH), 1496
WRIGHT, CLAUDE-STARR. (*See* DOAN AND WRIGHT), 1399
—. (*See* DOAN, WISEMAN, WRIGHT, GEYER, MYERS, AND MYERS), 943

Y

YAEGER, LEONA B. (*See* RANDOLPH AND YEAGER), 1547
—, RHOADS, PAUL, AND FREEMAN, SMITH. Fibrinogen deficiency: clinical features and probable etiologic factors, 502
YOUNG, LAWRENCE E., PLATZER, RICHARD F., AND RAFFERTY, JAMES A. (With the technical assistance of PROCTOR, BERDINE, AND IZZO, MARY JANE.) Differential agglutination of human erythrocytes, 489

Z

ZUELZER, WOLF W., NEWHALL, ANNE, AND HUTAFF, LUCILE. Changes in the bone marrow in megaloblastic anemias of infancy before and after folic acid therapy, 1217

SUBJECT INDEX

Book reviews are indicated by (B. Rev.) after the page number.

A

Acetanilid: a critical bibliographic review, 107 (B. Rev.)
Acetylcholine and potassium sensitivity of striated muscle, effect of alkaloids on, 1374
Acetylsalicylate therapy of acute rheumatic fever, biochemical findings in, 1528
Acid, folic, in treatment of aplastic anemia, 139
  pteroylglutamic, and its hexaglutamyl conjugate, metabolic function of, 3, 23
    in treatment of pernicious anemia, experience with, 622
  synthetic, treatment of pernicious and related anemias with, 262
Acid-fast bacilli concentration, Clorox and Tergitol-Javelle water mixture for, 210
Actinomycosis, abdominal, 1536
  penicillin in treatment of, 1405
Adams-Stokes syndrome, vagovagal reflex type of, an unusual, 1520
Adrenal gland, role of, in immune mechanisms, 1410
Agglutination of human erythrocytes, differential, 489
  test for Brucellosis, discrepancies in, as performed with various antigens and as reported from different laboratories, 847
Air, expired, apparatus for continuous recording of volume of, 1496
Albumin and globulin fractions in serum, chemical estimation of, 1203
  and sugar in same measured sample of urine, rapid test for, 1042
Albumin-globulin ratio in guinea pig serum, micromethod for determination of, 1500
Alcaligenes faecalis, bacteremia and acute meningitis due to, 1262
Allergen, gelatin as an, 1548
Allergy, masked food, as factor in development and persistence of obesity, 1547
  to major foods, incidence of, 1547
  to typhus vaccine, 109
Alloxan diabetes in mouse, 1258
  effects of, on human pancreas, 347
Ambulation, early, and related procedures in surgical management, 108 (B. Rev.)
Amino acid nitrogen, urinary wastage of, effect of rate of administration of amino acid preparations on, 1539
  preparations and blood amino acid nitrogen level, effect of rate of administration of, on production of nausea and vomiting, 889
Amphetamine, quantitative determination of, 913
Anaphylactic shock in egg-sensitive individuals following vaccination with typhus vaccine, 109
Anemia and leucopenia, radiation induced, effect of folic acid on, 1425
  aplastic, folic acid treatment of, 139
    following administration of thorotrast, 147
  chronic, effect of, on renal function as measured by inulin and diodrast clearances, 1433
  effect of total body x-irradiation on a pre-existing induced, 341
  induced macrocytic, of swine, effect of extrinsic factor, liver extract, and folic acid on, 1398
  pernicious, and susceptibility to gastric neoplasms, 644
    folic acid in maintenance of, 970
    pteroylglutamic acid in treatment of, experience with, 622
    urinary phenols in, 1242
  sickle cell, normal red blood cells in, survival of transfused sickle cells in normal subjects and of patients with, 1397
Anemias, megaloblastic, of infancy, changes in bone marrow before and after folic acid therapy, 1217
  pernicious and related, treatment of, with synthetic folic acid, 262
Anesthesia, spinal and caudal, in hypertension, circulatory responses to, 1421, 1551
Aneurysms of coronary arteries due to polyarteritis nodosa occurring in infant, 1513
Antigen preparations, dried, use of, for testing pneumococcus typing sera, 104
Antihistamine drugs, effect of, upon serum-induced myocarditis in rabbits, 379
Antihyaluronidase activity of human serum, 1407
Antiseptics, intestinal, insoluble ketones as, clinical studies of, 1531
Antitularense serum, 332
Aortic stenosis, analysis of 106 proved cases, 324
Aplastic anemia, folic acid in treatment of, 139
  following administration of thorotrast, 147
Apparatus and method for obtaining nasal washings, 1016
  for continuous recording of volume of expired air, 1496
  for culturing Neisseria gonorrhea under partial carbon dioxide tension, a simple, 576

Apparatus—Cont'd
for quantitative microcolorimetric analysis in final volumes of 0.15 c.c., a simple, 215
pulsating perfusion, 300
Arteriolosclerosis and ischemia, ulcer of leg due to, occurring in presence of hypertensive disease, 323
Arthritis, cerebrospinal fluid studies in, 1542
experimental production of, attempts at, 1121
marrow in, study of, 1430
rheumatoid, protein metabolism in, 1551
Atrophic gastritis and malnutrition, 1521
Auricular flutter, unusual instances of, 51

B

Bacilli, tubercle, cultivation of, from pathologic material in Dubos media, 842
Bacteremia and acute meningitis due to Alcaligenes faecalis, 1262
Bacteria in nasal cavity, method for counting, 566
preservation of, simplified method for, by desiccation in vacuo, 1008
BAL, effect of, on human lead intoxication, 1423
on toxicity of gold, 1364
Barbiturates, susceptibility of rats to various, factors affecting, 540
Benadryl, action of, in skin of human beings, 334
Benzidine-negative stools during iron therapy, 181
Beta-dimethylaminoethyl benzhydryl ether hydrochloride, action of, in skin of human beings, 334
Beta hemolytic streptococci, expulsion of, by sneezing, 1534
Biotin during lactation, utilization of, 1462
Blood and bone marrow findings in renal disease, 1429
and tissue proteins, microprecipitating unit for, 213
cells, counting of, by dark-field illumination, 206
red, diffraction method of measuring, 857
changes induced by gastrectomy in rat, effect of synthetic Lactobacillus casei factor on, 635
cholesterol and cholesterol esters in, chromatographic separation of, 1163
clotting time of, effect of methylated xanthines on, 28
rotating tube method for estimating, 1037
coagulation during intravenous injection of histamine, 1432
coagulation-retraction time and its relation to thrombosis, 1424
flow, effects of diathermy on, clinical and experimental studies, 1511
grouping sera, potent, production of, 1275
heparinized in vitro, coagulation time of, 1087
levels, enhancement of, by caronamide during intramuscular administration of penicillin, 807
Blood—Cont'd
peripheral, study of sternal marrow and, of patients with plasma cell myeloma, 167
platelets, variations in, in allergic individuals following the ingestion of test foods, 1395
pressure in radial and femoral arteries during and after tilting, direct measurement of, 1511
in rat, new method for indirect measurement of, 1090
measurement in rat, comparison of, as obtained by use of tail and foot methods and by direct femoral puncture, 1099
of hypersensitive individuals, effects of diet of rice and fruit juices upon, 1509
salicylates in, determination of, simple method for, 1282
transfusion studies, 223
ultrafiltrate of, experimental method for obtaining an, 461
Blood-forming organs, giant cells in, structure of, 660
Body fluids, dihydrostreptomycin and other antibacterial agents in, dilution technique for rapid estimation of, 1378
magnesium in, photoelectric determination of, 1027
penicillin levels in, water-soluble preparation for prolonging effective, 832
X-irradiation, effect of total, on a preexisting induced anemia, 341
Bone marrow biopsy from rat, method of, 102
concentration techniques, evaluation of, 732
hematopoiesis in, of rats recovering from nutritional anemia, 756
in megaloblastic anemias of infancy, changes in, before and after folic acid therapy, 1217
morphology of, 343
of normal cats, 70
plasma cells, reticulo-endothelial origin of, in hypersensitive states, 749
quantitative cytologic study of multiple samples of, taken simultaneously, 741
Books received, 929, 1044, 1288
reviewed, 107, 220, 348, 472
Brucella melitensis infections, human, in Minnesota, with hogs as probable source, 854
suis and Eberthella typhosa, streptomycin resistance of, 1534
Brucellosis, active, biopsy of liver in patients with, 315
agglutination test for, discrepancies in, as performed with various antigens and as reported from different laboratories, 847
human, specific treatment of, experimental and clinical investigations on, 1408
Bundle branch block, human, axis deviation in, 1415

C

Calcium, relation of, to activation of prothrombin and its significance in dicumarol poisoning, 342
Cardiac factor which increases coronary flow under sympathetic stimulation, 1515
Caronamide, enhancement of blood levels by, during intramuscular administration of penicillin, 807
of plasma penicillin concentrations by, 818
Carotid sinus syndrome, hypersensitive, effects of tetraethyl ammonium chloride on a mixed type of, 1491
Catgut sutures, surgical, sterility of, fluid thioglycollate medium for testing, 1153
Cats, bone marrow of normal, 70
Causalgia, relief of, by tetraethylammonium chloride, 1422
Cells in blood-forming organs, structure of giant, 660
Cellular gigantism in human erythropoiesis, clinical significance of, 793
Central Society for Clinical Research, proceedings of nineteenth annual meeting, Chicago, Ill., November 1 and 2, 1946, 311
proceedings of twentieth annual meeting, October 31 and November 1, 1947, 1394, 1508
Cerebrospinal fluid, potassium content of normal, 1486
studies in arthritis, 1542
Chemotherapy, modern development of, 221 (B. Rev.)
of filariasis, experimental, 1293, 1304, 1314
Cholesteremic xanthomatosis, essential normal, unusual case of, 1526
Cholesterol and cholesterol esters in blood, chromatographic separation of, 1163
Choline, methionine, and low fat diet, effect of, on life expectancy of patients with cirrhosis of liver, 1522
Chromatographic separation of cholesterol and cholesterol esters in blood, 1163
Clorox and Tergitol-Javelle water mixture for acid-fast bacilli concentration, 210
Clotting time of blood, effect of methylated xanthines on, 28
rotating tube method for estimating, 1037
Coagulation time of blood heparinized in vitro, 1087
Coccidioidomycosis, contagiousness of, 1535
Cold pressor test, nature of, and its significance in relation to neurogenic and humoral mechanisms in hypertension, 1420
Colloidal gold containing radioactive isotope Au^{198} in selective internal radiation therapy of diseases of lymphoid system, 1437
red test for study of hepatic dysfunction, 1273
Colloidal—Cont'd
sols of manganese dioxide and gold, studies of distribution of intravenously administered, in human beings and dogs using radioactive isotopes, 274
Colorimeter, Evelyn photoelectric, standardization and adaptation of thymol test of Maclagan to, 1266
Complement fixation test with lygranum, evaluation of, 1060
of guinea pigs, effect of pregnancy on, 287
Coproantibody excretion during enteric infection, significance of, 1409
Corpuscular constants of college women of the North Central States, 419
Crystalluria following sulfonamide mixtures and sulfonamide plus alkali, 1532

D

Dark-field illumination, counting of blood cells by, 206
Dermal plethysmograph for recording of skin-whealing reactions, 1387
Diabetes, alloxan, in mouse, 1258
severity of, effects of inflammation on, 1540
Diarrheal disease associated with paracolon, outbreak of, 886
Diathermy, effects of, on blood flow, clinical and experimental studies, 1511
Dicumarol in experimental myocardial infarction, 1417
poisoning, relation of calcium to activation of prothrombin and its significance in, 342
Diet of rice and fruit juices, effects of, on blood pressure of hypersensitive individuals, 1509
Diets, mixed, for dogs, rats, and human beings, comparison of nutritive value of proteins in, 403
Diffraction method of measuring red blood cells, 857
Dihydrostreptomycin and other antibacterial agents in body fluids, dilution technique for rapid estimation of, 1378
Dithiopropanol (BAL), effect of, on human lead intoxication, 1423
Diuretics, influence of various, on urinary sodium of normal pregnant women, 312
mercurial, comparison of acute cardiac toxicity in animals and effect of ascorbic acid on detoxification in their intravenous administration, 313
oral mercurial, in ambulatory patients with congestive heart failure, 1514
dl-Serine in rat, nephrotoxic action of, 1130
Downey, Dr. Hal, special issue in honor of, 583
Drugs, ethylenediamine, comparative antihistaminic activity of some, in guinea pig, 47
N-(α-Pyridyl)-N-(α-Thienyl)-N′,N-Dimethylethylenediamine, a new antihistamine compound, experimental and clinical experiences, 1370

Drugs—Cont'd
1-Diethylcarbamyl-4-methylpiperazine hydrochloride, effect of, against naturally acquired filarial infections in cotton rats and dogs, 1314
sedative-hypnotic, study of a new, 895
3,3-Diethyl-2,4-dioxotetrahydropyridine, study of, 895
Dubos and Davis medium, modified, for demonstration of antibiotic activity of subtilin against mycobacterium tuberculosis, 837
media, cultivation of tubercle bacilli from pathologic material in, further observations on, 842
Duodenal ulcer, nocturnal gastric secretion in patients with, effect of radiation therapy on, 344
ulcers, effect of enterogastrone on fasting gastric secretion and motility in patients with, 346

E

Eberthella typhosa, sensitivity of, to penicillin fractions G and X, 190
Edema, pulmonary, effect of, on susceptibility of mice to pneumococcal pneumonia, 1406
Egg-sensitive individuals, anaphylactic shock in, following vaccination with typhus vaccine, 109
Electric shock treatments, electrocardiographic changes after, 1518
Electrocardiogram in anteroseptal myocardial infarction complicated by right and left bundle branch block, form of, 1518
lead III and lead CF IV of human, effect of a single inspiration in, 1519
precordial, in left ventricular hypertrophy, 1517
Electrocardiographic analysis, regional production of myocardial necrosis with, 1416
changes after electric shock treatments, 1518
patterns, diagnostic value of, 331
Electroencephalogram in tumors of posterior fossa, 1549
Electrophotometric modification of Folin's method of estimation of uric acid in serum and whole blood, 1382
Endogenous estrogens, possible relationship of purpura to, 606
hypovitaminemia A in liver disease, treatment of, 1403
Enterogastrone, effect of, on fasting gastric secretion and motility in patients with duodenal ulcers, 346
Enzyme tests, diagnosis of pancreatic disease by, 1107
Epinephrine-cyclopropane idioventricular rhythms, induction of, role of arterial pressure changes in, 1415
Epinephrine injection in complete anoxia, pressor response to, inhibition of, 1414
Erythroblastosis fetalis, studies in, 1330, 1339
Erythroblasts, radiosensitivity of, 654
Erythrocyte, corpuscular weight, determination of normal mean, 66
Erythrocytes, human, differential agglutination of, 489
Erythropoiesis, human, cellular gigantism in, clinical significance of, 793
Estrogen therapy, purpura following, 606
Ethylenediamine drugs, comparative antihistaminic activity of some, in guinea pig, 47
Evelyn photoelectric colorimeter, standardization and adaptation of thymol test of Maclagan to, 1266
Exogenous hemochromatosis, 428

F

Fever therapy in herpes zoster, 1544
Fevers, malarial and artificial, biochemical studies during, 508
Fibrin appearance time, 1037
Fibrinogen deficiency, clinical features and probable etiologic factors, 502
Filariasis, experimental chemotherapy of, 1293, 1304, 1314
Fluid thioglycollate medium, its use for testing sterility of surgical catgut sutures, 1153
Folic acid, conjugated, nonutilization of, in pernicious anemia, 336
effect of, on radiation induced anemia and leucopenia, 1425
in maintenance of pernicious anemia, 970
in treatment of aplastic anemia, 139
synthetic, treatment of pernicious and related anemias with, 262
therapy in megaloblastic anemias in infancy, changes in bone marrow before and after, 1217
in nontropical sprue, 1231
Folin's method of estimation of uric acid in serum and whole blood, electrophotometric modification of, 1382

G

Gastric acidity, relationship of, to thiamine excretion in the aged, 118
function, human, measurement of, 345
secretion, fasting nocturnal, variability of, in normal individuals and in patients with duodenal ulcer, 1521
Gastritis, atrophic, and malnutrition, 1521
Gelatin as an allergen, 1548
intravenously administered—a toxicity study, 1115
Gold reaction, a test fluid for control of, 579
Gramicidin or penicillin, antibacterial activity of minute quantities of, method for showing, 1136
Growth curves, streak plate method for determining, 1139
Guinea pig serum, albumin-globulin ratio in, micromethod for determination of, 1500
pigs, complement of, effect of pregnancy on, 287

H

Heart block, partial, hyperparathyroidism and, 185
disease, congenital, arterial oxygen saturation at rest and during exercise, 1508
failure, congestive, oral mercurial diuretics in ambulatory patients with, 1514
rates of sodium turnover in patients with, and in normal subjects, 1169
isolated, perfused mammalian, failure of, to destroy renin and angiotonin, 1482
rate in rat, determination of, 1284
Heat and formalin, influence of, upon Rh agglutinogen, 178
Hematopoiesis in bone marrow of rats recovering from nutritional anemia, 756
Hemoglobinemia and pH of urine, relationship of, to renal damage produced by injection of hemoglobin solutions into dogs, 223
Hemolytic streptococci in Macacus rhesus, role of phagocytosis in resistance, as related to age of granulocytes following primary and reinfection studies with, 878
Hemorrhagic telangiectasia, hereditary, in association with cerebral manifestations and pulmonary arteriovenous aneurysm, 1401
Heparin, assay of, 901
neutralization of, with protamine (salmine), 1396
tolerance test, coagulation time of blood heparinized in vitro, correlation of results with, 1087
Hepatic dysfunction, colloidal red test for study of, 1273
function in infectious mononucleosis, 1523
neoplasm, malignant, needle biopsy of liver in patients with, 1524
Hepatitis, chronic and acute, methionine in treatment of, 1525
infectious and toxic, pathologic and clinical manifestations, 1524
without jaundice in infectious mononucleosis, 320
Herniorrhaphy, convalescence following, studies on, 316
Herpes zoster, fever therapy in, 1544
Heterophile antibody determination, simplified "qualitative" method for, using capillary blood and a white cell pipette, 1278
Histamine antagonists, 47, 1370
blood coagulation during intravenous injection of, 1432
test for pheochromocytoma, further studies with, 1510
treatment of migraine with, 1546
Hyaloplasm, mitochondria and their relation to so-called, 700
Hyaluronidase, role of, in human infertility, 1540
Hyperparathyroidism and partial heart block, 185
Hypersensitive carotid sinus syndrome, effects of tetraethyl ammonium chloride on a mixed type of, 1491
individuals, blood pressure of, effects of diet of rice and fruit juices upon, 1509
Hypersplenic mechanism in human disease syndromes, further studies of, 1399
Hypertension, renal, 221 (B. Rev.)
present status of therapy of experimental, 327
spinal and caudal anesthesia in, circulatory responses to, 1421, 1551
Hypertensive patients pre- and postsympathectomy, twelve-year study of, with reference to renal pathology, 1509
state, vasomotor tone in, studies on, 1418
Hypertensive-ischemic ulcers, 323
Hyperthyroid conditions, ventricular gradient in, 1516
Hyperthyroidism, differentiation of incipient, 1413
Hypoproteinemia due to nutritional deficiency, serum proteins in, 130
Hypoprothrombinemias, congenital familial, 1424

I

Infections, acute, serum proteins in, 1002
Influenza B in Needham, Massachusetts, December, 1945, 367
study of a localized outbreak preceding the 1945 epidemic, 332
epidemic, during spring of 1947, results of vaccination against, 1410
Inorganic phosphorus and phosphatases in normal and human serum, 194
Instrument for recording multiple pressures in man, 921
Insulin depression and carbohydrate excitation of pancreatic islets of Langerhans, 1411
Inulin in plasma and urine, determination of, 1159
Iodine absorption of anayodin, chiniofon, diodoquin, and vioform in man, comparative studies on, 1537
Ionizing radiation, morphologic changes in lymphocytes of persons exposed to, 1045
Iron therapy, benzidine-negative stools during, 181

J

Jaundice, direct-reacting type, experimental production of, by injection of a preparation of direct-reacting bilirubin, 321
serum biliverdin concentration in various types of, study of, 481

K

Ketones, insoluble, clinical studies of, as intestinal antiseptics, 1531
Kidney, Murray artificial, experiences with, 1434

L

Laboratory methods, 76, 196, 296, 444, 548, 901, 1008, 1136, 1266, 1378, 1496
Lactation biotin during, utilization of, 1462
pantothenic acid during, utilization of, 1454
Lactobacillus casei factor, occurrence of combined system disease in persons with pernicious anemia during treatment with, 335
synthetic, effect of, on blood changes induced by gastrectomy in rat, 635
Leucemia, effect of urethane on, 1394
Leucocyte granules, studies on, after staining with Sudan black B and May-Grünwald Giemsa, 155
Leukemia, induction of, in eight inbred stocks of mice varying in susceptibility to spontaneous disease, 720
Lipoid nephrosis, 1435
Liver, biopsy of, in patients with active Brucellosis, 315
cirrhosis of, life expectancy of patients with, effect of choline, methionine, and low fat diet on, 1522
prognostic value of biopsy in, 1526
disease, endogenous hypovitaminemia A in, treatment of, 1403
extract, effect of, in urinary phenols in normal subjects, 1248
needle biopsy of, in patients with malignant hepatic neoplasm, 1524
structural and functional alterations of, relation between, 318
Lygranum, evaluation of complement fixation test with, 1060
Lymphocytes, morphologic changes in, of persons exposed to ionizing radiation, 1045
Lymphocytogenesis in human lymph nodes, 777
Lymphogranuloma venereum, studies on, 1060
Lymphoid system, diseases of, colloidal gold containing radioactive isotope Au^{198} in selective internal radiation therapy of, 1437
tissue, alterations produced in, by pituitary-adrenal cortical secretion, evaluation of, 584
Lyophilized casein acid hydrolysate in protein-deficient patients, a new, determination of nitrogen balance index in, 1538

M

Maclagan, thymol test of, standardization and adaptation to Evelyn photoelectric colorimeter, 1266
Magnesium in body fluids, photoelectric determination of, 1027
Malaria, effect of oxygen on, 57
parasites, staining, simple method of, 89
Malarial and artificial fevers, biochemical studies during, 508
Malnutrition, atrophic gastritis and, 1521
Mammalian heart, isolated perfused, failure of, to destroy renin and angiotonin, 1482
Manganese dioxide and gold, colloidal sols of, studies of distribution of intravenously administered in human beings and dogs using radioactive isotopes, 274
Mannitol: kinetics of distribution, excretion, and utilization in human beings, 1192
Measles, German, during pregnancy, effect of, 1536
Medical jurisprudence and toxicology, 348 (B. Rev.)
Megaloblastic anemias of infancy, changes in bone marrow in, before and after folic acid therapy, 1217
Melanuria, effect of tyrosine, tryptophane, and thiouracil on, 1254
Mercurial diuretics, comparison of acute cardiac toxicity and effect of ascorbic acid on detoxification in their intravenous administration, 313
Metabolism of women during reproductive cycle, 1454, 1462
Metachromatic staining of mucus in tissue sections and smears, permanent, 905
Methionine, effect of, on urinary nitrogen in human beings at normal and low levels of protein intake, 322
in treatment of hepatitis, 1525
Methylated xanthines, effect of, on clotting time of blood, 28
Methyl-bis (beta-chloroethyl) amine hydrochloride therapy, result of, 1431
Microanalysis of opiates by x-ray diffraction, 94
Microburettes, Mohr type of, microscrew clamp for use with, 918
Microcolorimetric analysis, quantitative, in final volumes of 0.15 c.c., simple apparatus for, 215
estimation of plasma proteins, 296
Micromethod for determination of albumin-globulin ratio in guinea pig serum, 1500
Microprecipitating unit for blood and tissue proteins, 213
Microscrew clamp for use with Mohr type micro burettes, 918
Migraine, treatment of, with histamine, 1546
Mitochondria and their relation to so-called hyaloplasma, 700
Mohr type of microburettes, microscrew clamp for use with, 918
Mononucleosis, infectious, hepatic function in, 1523
hepatitis without jaundice in, 320
Mouse, alloxan diabetes in, 1258
Mucus in tissue sections and smears, permament metachromatic staining of, 905
Murine typhus, serologic response in, as measured by Weil-Felix, rickettsial complement fixation, and rickettsial agglutination reactions, 360
Murray artificial kidney, experiences with, 1434

Muscle, striated, acetylcholine and potassium sensitivity of, effect of alkaloids on, 1374
Mycobacterium tuberculosis, use of modified Dubos and Davis medium for demonstration of antibiotic activity and subtilin against, 837
Myocardial infarction, analysis of immediate mortality in 572 cases of, 325
dicumarol in experimental, 1417
Myocarditis, serum-induced, in rabbits, effect of antihistamine drugs upon, 379
Myeloma cell cytology revealed by histochemical methods, 1428
plasma cell, study of sternal marrow and peripheral blood of patients with, 167

N

Nausea and vomiting, effect of rate of administration of amino acid preparations and blood amino acid nitrogen level on production of, 889
Nasal cavity, bacteria in, method of counting, 566
washings, apparatus and method for obtaining, 1016
Neisseria gonorrhea, culturing, under partial carbon dioxide tension, simple apparatus for, 576
Nephrotoxic action of *dl*-serine in rat, studies on, 1130
Nitrogen balance, 437
metabolism, studies in, 1403
mustard, preliminary report of a, 1431
Nocturnal gastric secretion in duodenal ulcer, effect of radiation therapy on, 344
Nonprotein nitrogen, rapid titrimetric micromethod for determination of, 1034
Nontropical sprue, folic acid therapy in, 1231
Nutrition survey of Viennese civilians under United States occupation, 1945, 1470
Nutritional deficiency, hypoproteinemia due to, serum proteins in, 130

O

Opiates, microanalysis of, by x-ray diffraction, 94
Osteopetrosis, serum phosphatase in, 1541
Oxygen, effect of, on malaria, 57

P

Pancreas, effect of alloxan upon the human, 347
Pancreatic disease, diagnosis of, by enzyme tests, 1107
edema, transition of, into pancreatic necrosis, 1528
islets of Langerhans, insulin depression and carbohydrate excitation of, 1411
Parasites, malaria, simple method of staining, 89
Parasitic organisms, reactions of various, in tissues, to the Bauer, Feulgen, Gram, and Gram-Weigert methods, 76
Patent ductus arteriosus, surgery in, results of, 329
Pathology, renal, study of hypertensive patients pre- and postsympathectomy with reference to, 1509
Pantothenic acid, utilization of, during lactation, 1454
Pellagra, metabolic complexities of, 428
Penicillin fractions G and X, sensitivity of Eberthella typhosa to, 190
in beeswax and peanut oil, absorption and therapeutic use, 34
in oil and beeswax, treatment of lobar pneumonia with, 1529
treatment of subacute bacterial endocarditis with, 1529
in syphilis, 472 (B. Rev.)
in treatment of actinomycosis, 1405
intramuscular administration of, enhancement of blood levels by caronamide during, 807
its practical application, 220 (B. Rev.)
level determinations in urine, anomalous findings in, 1356
levels in body fluids, a water-soluble preparation for prolonging effective, 832
plasma concentrations, enhancement of, by caronamide and sodium benzoate, 818
rectal absorption of, 1533
streptomycin, trivalent organic arsenicals, and other bactericidal and bacteriostatic agents, assay of, 444
Peptic ulcer, combined antacid therapy in, 1527
Peripheral vascular diseases, 222 (B. Rev.)
Peritoneal irrigation for acute renal damage following incompatible blood transfusion, 988
in treatment of renal failure due to transfusion reaction, 982
Pernicious anemia and susceptibility to gastric neoplasms, 644
conjugated folic acid in, nonutilization of, 336
folic acid in maintenance of, 970
occurrence of combined system disease in persons with, during treatment with the Lactobacillus casei factor, 335
pteroyl hexaglutamyl glutamic acid (vitamin B_c conjugate) in, 337
pteroylglutamic acid in treatment of, experience with, 622
treated with synthetic folic acid (pteroyl glutamic acid), combined system disease and hematologic relapse occurring in, 1426
treatment of, with pteroyl glutamic acid, 1427
urinary phenols in, 1242
Pernio: an instance of apparent recovery, 1550
Phagocytosis, role of, in resistance, as related to age of granulocytes following primary and reinfection studies with hemolytic streptococci in Macacus rhesus, 878

Pheochromocytoma, histamine test for, further studies with, 1510
Phosphatases and inorganic phosphorus in normal human serum, 194
Photoelectric determination of magnesium in body fluids, 1027
Piperazine derivatives, effect of, against naturally acquired filarial infections in cotton rats and dogs, 1304
Pituitrin, sensitivity to, effect of serum protein depletion on water and salt excretion and, 1537
Plasma and urine, inulin in, determination of, 1159
cell myeloma, study of sternal marrow and peripheral blood of patients with, 167
penicillin concentrations, enhancement of, by caronamide and sodium benzoate, 818
proteins, microcolorimetric estimation of, 296
Pneumonia, lobar, treatment of, with penicillin in oil and beeswax, 1529
pneumococcal, susceptibility of mice to, effect of pulmonary edema on, 1406
primary pneumococcic, evaluation of treatment of, 333
Pneumococci, differentiation of, from Alpha hemolytic streptococci, modified technique for, using sodium desoxycholate, 572
Pneumococcus, type III, surface phagocytosis of, 1406
typing sera, use of dried antigen preparations for testing, 104
Pneumonectomy, cure of pulmonary arteriovenous fistula with secondary polycythemia by, 330
Polyarteritis nodosa occurring in infant, aneurysms of coronary arteries due to, 1513
Potassium content of normal cerebrospinal fluid, 1486
determinations in health and disease, 1208
Potency of U. S. P. reference standard for vitamin D, 1251
Pregnancy, effect of, on complement of guinea pigs, 287
German measles during, effect of, 1536
skin in, vascular changes in, progress report on study of, 1400
Preservation of bacteria, simplified method for, by desiccation in vacuo, 1008
Pressure in portal vein, factors influencing, as measured in intact animal, 1401
Pressures in man, multiple, instrument for recording, 921
Protein metabolism in rheumatoid arthritis, 1551
Protein-deficient patients, nitrogen balance index of a new lyophilized casein acid hydrolysate in determination of, 1538
Proteins, blood and tissue, microprecipitating unit for, 213
in mixed diets for dogs, rats, and human beings, comparison of nutritive value of, 403
Proteins—Cont'd
plasma, microcolorimetric estimation of, 296
serum, in acute infections, 1002
Prothrombin time and variables in the method, 554
studies on human beings and experimental animals, 410
Pteroylglutamic acid and certain related compounds, urinary excretion of, 1350
and its hexaglutamyl conjugate metabolic function of, 3, 23
treatment of pernicious anemia with, 1427
hexaglutamyl glutamic acid, utilization of, in pernicious anemia, 337
Pulmonary arteriovenous fistula with secondary polycythemia, cure of, by pneumonectomy, 330
fibrosis, chronic bilateral basal, 1543
infarction, experimental, 1417
Pulsating perfusion apparatus, 300
Purpura, essential thrombocytopenic, 618
following estrogen therapy, 606
rutin in, 340

Q

Quantitative determination of amphetamine, 913
Quinine, rapid continuous extraction and determination of, 196

R

Radiation, ionizing, delivering, to discrete tissues, direct infiltration of radioactive isotopes as means of, 1442
morphologic changes in lymphocytes of persons exposed to, 1045
Radioactive isotope Au^{198}, colloidal gold containing, in selective internal radiation therapy of diseases of lymphoid system, 1437
isotopes, direct infiltration of, as means of delivering ionizing radiation to discrete tissues, 1442
phosphorus, P^{32}: a six-year clinical evaluation of internal radiation therapy, 943
Radiosensitivity of erythroblasts, 654
Rat, blood pressure in, new method for indirect measurement of, 1090
measurements in, comparison of, as obtained by use of tail and foot methods and by direct femoral puncture, 1099
bone marrow biopsy from, method of, 102
dl-serine in, nephrotoxic action of, studies on, 1130
heart rate in, determination of, 1284
Recording multiple pressures in man, instrument for, 921
Red blood cells, diffraction method of measuring, 857
Renal damage, acute, following incompatible blood transfusion, peritoneal irrigation for, 988
disease, blood and bone marrow findings in, 1429

Renal—Cont'd
failure due to transfusion reaction, peritoneal irrigation in, 982
functions, specific, of glomerular infiltration, maximal tubular excretion (or reabsorption), and "effective blood flow," method of determining, using a single injection of a single substance, 931
hypertension, 221 (B. Rev.)
experimental, present status of therapy of, 327
Renin and angiotonin, failure of isolated perfused mammalian heart to destroy, 1482
Reproductive cycle, metabolism of women during, 1454, 1462
Reticulo-endothelial origin of bone marrow plasma cells in hypersensitive states, 749
Reticulum staining with Schiff reagent after oxidation by acidified sodium periodate, 910
Rh agglutinogen, influence of heat and formalin upon, 178
antibody, activation of the incomplete, by blood serum of full-term and premature newborn infants, 1330
two popular fallacies regarding, 423
typing, rapid technique for, 1024
Rheumatic fever, acute, acetylsalicylate therapy of, biochemical findings in, 1528
Russell viper venom, use of, as means of following anticoagulant action of 3,3'-Methylenebis (4-hydroxycoumarin) in dog, 90
Rutin in purpura, 340

S

Salicylates in blood, determination of, simple method for, 1282
Salmonella cultures, serologic diagnosis of, simplification of, 548
Schiff reagent, reticulum staining with, after oxidation by acidified sodium periodate, 910
Schlesinger's test for urobilin in presence of riboflavin and other fluorescent compounds, 1503
Secretion, pituitary-adrenal cortical, alterations produced in lymphoid tissue by, evaluation of, 584
Sedimentation rates, normal, in active pulmonary tuberculosis, 526
Sera, blood grouping, production of potent, 1275
pneumococcus typing, use of dried antigen preparations for testing, 104
Serum, albumin and globulin fractions in, chemical estimation of, 1203
antitularense, 332
biliverdin concentration in various types of jaundice, study of, 481
guinea pig, albumin-globulin ratio in, micromethod for determination of, 1500
normal human, phosphatases and inorganic phosphorus in, 194
Serum—Cont'd
phosphatase in osteopetrosis, 1541
protein depletion, effect of, on water and salt excretion and sensitivity to pituitrin, 1537
fraction responsible for thymol turbidity test, 314
proteins in acute infections, 1002
in hypoproteinemia due to nutritional deficiency, 130
studies in, 1203
Shigella, rapid identification of, in public health laboratory, 349
Sickle cells, survival of transfused, in normal subjects and of normal red blood cells in patients with sickle cell anemia, 1397
Skin in pregnancy, vascular changes in, progress report on study of, 1400
Skin-whealing reactions, dermal plethysmograph for recording, 1387
Sodium benzoate, enhancement of plasma penicillin concentrations by, 818
potassium and, determinations in health and disease, 1208
turnover, rates of, in normal subjects and in patients with congestive heart failure, 1169
Sprue, nontropical, folic acid therapy in, 1231
vitamin M group (fermentation factor) in, evidence for activity of a second member of, 387
Sputum, cytologic studies of, in bronchogenic carcinoma, 1543
Staining malaria parasites, simple method of, 89
permanent metachromatic, of mucus in tissue sections and smears, 905
reticulum, with Schiff reagent after oxidation by acidified sodium periodate, 910
Sterility of surgical catgut sutures, fluid thioglycollate medium for testing, 1153
Sternal marrow, quantitative cytologic study of multiple samples of, taken simultaneously, 741
Stilbestrol, hypersensitivity to, purpura following estrogen therapy, with particular reference to, 606
Stools, benzidine-negative, during iron therapy, 181
Streak plate method for determining growth curves, 1139
Streptococci, beta hemolytic, expulsion of, by sneezing, 1534
Streptomycin containing a histamine-like factor, pharmacodynamic effect in man, 42
resistance of Brucella suis and Eberthella typhosa, 1534
Subtilin, antibiotic activity of, use of modified Dubos and Davis medium for demonstration of, against mycobacterium tuberculosis, 837
Sudan black B and May-Grünwald Giemsa, leucocyte granules after staining with, studies on, 155

Sulfon- and sulfanilanilide derivatives, antibacterial activity of some, 1361
Sulfonamide, laboratory and clinical observations on use of a new, 1530
mixtures and sulfonamides plus alkali crystalluria following, 1532
Surgical management, early ambulation and related procedures in, 108 (B. Rev.)
Syndromes, human disease, hypersplenic mechanism in, further studies of, 1399
Syphilis, penicillin in, 472 (B. Rev.)

T

Telangiectasis, hereditary hemorrhagic, in association with cerebral manifestations and pulmonary arteriovenous aneurysm, 1401
Temperature and humidity, sudden changes in environmental, physiologic adjustments to, of healthy young subjects and cardiac patients, 1508
Test fluid for control of gold reaction, 579
Tetraethylammonium chloride, effect of, on blood flow in extremities of normal individuals, 1419
on mixed type of hypersensitive carotid sinus syndrome, 1491
relief of causalgia by, 1422
ion, evaluation of vasomotor tone in animals and man by means of, 311
Thiamine excretion in the aged, relationship of gastric acidity to, 118
Thiouracil and propylthiouracil, comparative clinical study of, 392
Thorotrast, aplastic anemia following administration of, 147
3,3-Diethyl-2,4-dioxotetrahylropyridine, study of, 895
3,3′methylenebis (4 hydroxycoumarin), effect of, on vitamin A deficient ducks, 532
3,3′-methylenebis (4-hydroxycoumarin) in dogs, use of Russell viper venom as a means of following anticoagulant action of, 90
3,4,Dimethyl-5-sulfanilamido-isoxazole (NU 445), laboratory and clinical observations on use of, 1530
Thrombocytopenic purpura, essential, 618
Thrombosis, blood coagulation-retraction time and its relation to, 1424
Thymol test of Maclagan, standardization and adaptation to the Evelyn photoelectric colorimeter, 1266
turbidity test, mechanism of, 475
serum protein fraction responsible for, 314
Tissue, local injury to, quantitative hypothermal method for, 1512
lymphoid, alterations produced in, by pituitary-adrenal cortical secretion, evaluation of, 584
Tissues, reactions of various parasitic organisms in, to the Bauer, Feulgen, Gram, and Gram-Weigert methods, 76
Titrimetric micromethod, rapid, for determination of nonprotein nitrogen, 1034
Toxicity of gold, effect of 2,3-dimercaptopropanol on, 1364
Transfusion reaction, renal failure due to, peritoneal irrigation in treatment of, 982
Tubercle bacilli, cultivation of, from pathologic material in Dubos media, further observations on, 842
Tuberculosis, active pulmonary, normal sedimentation rates in, 526
mycobacterium, use of modified Dubos and Davis medium for demonstration of antibiotic activity of subtilin against, 837
2,3-Dimercaptopropanol (BAL), effect of, on toxicity of gold, 1364
Typhus vaccine, vaccination with, anaphylactic shock in egg-sensitive individuals following, 109
Tyrosine, tryptophane, and thiouracil, effect of, on melanuria, 1254

U

Ulcers, hypertensive-ischemic, 323
Ultrafiltrate of blood, experimental method for obtaining an, 461
Uremia, treatment of experimental, by intestinal lavage, 1434
Urethane, effect of, on leucemia, 1394
experiences with, in malignant disease, 1431
Uric acid in serum and whole blood, estimation of, by electrophotometric modification of Folin's method, 1382
Urinary excretion of pteroylglutamic acid, 1350
nitrogen, effect of methionine upon, in human beings at normal and low levels of protein intake, 322
phenols in normal subjects; effect of liver extract, 1248
in pernicious anemia, 1242
sodium of normal pregnant women, influence of various diuretics on, 312
Urine, albumin and sugar in same measured sample of, rapid test for, 1042
diurnal excretion of urobilinogen in, of normal subjects and of patients with Laënnec's cirrhosis, 397
penicillin level determinations in, anomalous findings in, 1356
Urobilin in presence of riboflavin and other fluorescent compounds, Schlesinger's test for, 1503
Urobilinogen, diurnal excretion of, in urine of normal subjects and of patients with Laënnec's cirrhosis, observations on, 397
U. S. P. reference standard for vitamin D, potency of, 1251

V

Vaccination against epidemic influenza during spring of 1947, results of, 1410

Vaccination—Cont'd
with typhus vaccine, anaphylactic shock in egg-sensitive individuals following, 109
Vascular changes in skin in pregnancy, progress report on study of, 1400
diseases, peripheral, 222 (B. Rev.)
Vasomotor tone, evaluation of, in animals and man by means of tetraethylammonium ion, 311
in hypertensive state, studies on, 1418
Vein, portal, pressure in, factors influencing, as measured in intact animal, 1401
Ventricular gradient in hyperthyroid conditions, 1516
Viper venom, Russell, use of, as means of following anticoagulant action of 3,3′-methylenebis (4-hydroxycoumarin) in dog, 90
Vitamin A deficient ducks, effect of 3,3′ methylenebis (4 hydroxycoumarin) on, 532
B_c conjugate, utilization of, in pernicious anemia, 337
Vitamin—Cont'd
C status of human subjects, evaluation of, 124
D, U. S. P. reference standard for, potency of, 1251
M, fermentation factor, in sprue, evidence for activity of a second member of, 387

W

Water-soluble preparation for prolonging effective penicillin levels in body fluids, 832
Weil-Felix, rickettsial complement fixation, and rickettsial agglutination reactions, serologic response of murine typhus as measured by, 360

X

Xanthines, methylated, effect of, on clotting time of blood, 28

The Journal of Laboratory and Clinical Medicine

EDITOR

CARL V. MOORE, M.D.
Washington University School of Medicine
600 South Kingshighway
St. Louis 10, Mo.

BOARD OF EDITORS

EDGAR V. ALLEN, M.D.
Mayo Clinic, Rochester, Minn.

M. A. BLANKENHORN, M.D.
University of Cincinnati, Cincinnati

GEORGE E. BURCH, Jr., M.D.
Tulane University, New Orleans

PAUL R. CANNON, M.D.
University of Chicago, Chicago

JEROME E. CONN, M.D.
University of Michigan, Ann Arbor

CHARLES A. DOAN, M.D.
Ohio State University, Columbus

EDGAR S. GORDON, M.D.
University of Wisconsin, Madison

DOUGLAS A. MacFADYEN, M.D.
Presbyterian Hospital, Chicago

IRVINE H. PAGE, M.D.
Cleveland Clinic, Cleveland

ARMAND J. QUICK, M.D.
Marquette University, Milwaukee

WESLEY W. SPINK, M.D.
University of Minnesota, Minneapolis

CECIL J. WATSON, Ph.D., M.D.
University of Minnesota, Minneapolis

ARNOLD D. WELCH, Ph.D., M.D.
Western Reserve University, Cleveland

W. BARRY WOOD, Jr., M.D.
Washington University, St. Louis

VOLUME 32

JANUARY—DECEMBER, 1947

ST. LOUIS
THE C. V. MOSBY CO.
1947

Medical Library
610.5
J86
L12
v.32
cop.2

Copyright, 1947, By The C. V. Mosby Co.
(All rights reserved)

Printed in the
United States of America

Press of
The C. V. Mosby Company
St. Louis